

2x2 bet

Odds, are given as (chances for success) : (chances against success) or vice versa. If odds are stated as an A to B chance of winning then the probability of winning is given as $P_{\text{Win}} = A / (A + B)$ while the probability of losing is given as $P_{\text{Lose}} = B / (A + B)$.

[Odds Probability Calculator](#) : calculatorsoup : calculators : games : odds

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	Number of Unfavourable Choices	Number of Favorable Choices	Number of Failures	Number of Successes
$P(\text{Event})$	n	m	$n + m$	m
$P(\text{Event}^c)$	$n - m$	m	$n + m$	m
$n \text{ : } m$	$n - m \text{ : } m$	$n + m$	$n + m$	m

[Odds in Favor and Odds against an Event. Calculating](#)