Prob
$$\{+1\} = |\langle i|\psi\rangle|^2$$

= $\frac{|\alpha - i\beta|^2}{|\alpha - i\beta|^2}$

 $=\frac{|\alpha+i\beta|^2}{|\alpha-i\beta|^2}$

Pauli Y basis $\{|i\rangle, |-i\rangle\}$

 $Prob\{-1\} = |\langle -i|\psi\rangle|^2$