

The Password Meter

Test Your Password

Password:

.....

Hide:

☒

Score:

100%

Complexity:

Very Strong

Minimum Requirements

- Minimum 8 characters in length
- Contains 3/4 of the following items:
 - Uppercase Letters
 - Lowercase Letters
 - Numbers
 - Symbols

Additions	Type	Rate	Count	Bonus
Number of Characters	Flat	$+(n*4)$	16	+ 64
Uppercase Letters	Cond/Incr	$+\left((len-n)*2\right)$	4	+ 24
Lowercase Letters	Cond/Incr	$+\left((len-n)*2\right)$	5	+ 22
Numbers	Cond	$+(n*4)$	2	+ 8
Symbols	Flat	$+(n*6)$	5	+ 30
Middle Numbers or Symbols	Flat	$+(n*2)$	5	+ 10
Requirements	Flat	$+(n*2)$	5	+ 10

Deductions

Letters Only	Flat	-n	0	0
Numbers Only	Flat	-n	0	0
Repeat Characters (Case Insensitive)	Comp	-	2	- 1
Consecutive Uppercase Letters	Flat	$-(n*2)$	0	0
Consecutive Lowercase Letters	Flat	$-(n*2)$	0	0
Consecutive Numbers	Flat	$-(n*2)$	0	0
Sequential Letters (3+)	Flat	$-(n*3)$	0	0
Sequential Numbers (3+)	Flat	$-(n*3)$	0	0
Sequential Symbols (3+)	Flat	$-(n*3)$	0	0

Legend

- Exceptional: Exceeds minimum standards. Additional bonuses are applied.
- Sufficient: Meets minimum standards. Additional bonuses are applied.
- Warning: Advisory against employing bad practices. Overall score is reduced.
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Failure: Does not

Plan your
access migration

- **Flat:** Rates that add/remove in non-changing increments.
- **Incr:** Rates that add/remove in adjusting increments.
- **Cond:** Rates that add/remove depending on additional factors.
- **Comp:** Rates that are too complex to summarize. See source code for details.
- **n:** Refers to the total number of occurrences.
- **len:** Refers to the total password length.
- Additional bonus scores are given for increased character variety.
- Final score is a cumulative result of all bonuses minus deductions.
- Final score is capped with a minimum of 0 and a maximum of 100.
- Score and Complexity ratings are not conditional on meeting minimum requirements.

Disclaimer

This application is designed to assess the strength of password strings. The instantaneous visual feedback provides the user a means to improve the strength of their passwords, with a hard focus on breaking the typical bad habits of faulty password formulation. Since no official weighting system exists, we created our own formulas to assess the overall strength of a given password. Please note, that this application does not utilize the typical "days-to-crack" approach for strength determination. We have found that particular system to be severely lacking and unreliable for real-world scenarios. This application is neither perfect nor foolproof, and should only be utilized as a loose guide in determining methods for improving the password creation process.

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Other sites maintained by this author: keystonecoffee.us

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