The Password Meter

Test Your Password

Password: ••••••••••••••••

Hide: ☑

Score: 95%

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	+((len-n)*2)	8	+ 16
Lowercase Letters	Cond/Incr	+((len-n)*2)	7	+ 18
Numbers	Cond	+(n*4)	1	+ 4
Symbols	Flat	+(n*6)	0	0
Middle Numbers or Symbols	Flat	+(n*2)	1	+ 2
Requirements	Flat	+(n*2)	4	+ 8
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)	5	- 10
Consecutive Lowercase Letters	Flat	-(n*2)	3	- 6
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 r

- **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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