

Converting Colors

XYZ(39.9522, 18.7843, 83.7246)

Have a look what the booklet for
XYZ(39.9522, 18.7843, 83.7246)
contains.

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Color

**XYZ(40.0853, 18.8478,
83.9633)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CA00F0 |
| RGB | 202, 0, 240 |
| RGB Percent | 79%, 0%, 94% |
| CMY | 0.2078, 0.9999, 0.0588 |
| CMYK | 0.16, 1.00, 0.00, 0.06 |
| HSL | 290°, 100%, 47% |
| HSV | 290°, 100%, 94% |
| XYZ | 40.0853, 18.8478, 83.9633 |
| YIQ | 87.7580, 43.3520, 117.4640 |

Conversions

Conversions Part 2

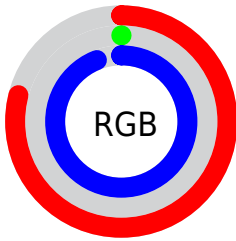
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 202, 0, 240 |
| Decimal | 13238512 |
| CIE _{Lab} | 50.51, 88.29, -68.73 |
| CIE _{LCh} | 51, 111.886, 322.098 |
| Yxy | 18.8478, 0.2805, 0.1319 |
| Android (android.graphics.Color) | 4291428592 (0xFFCA00F0) |
| YUV | 87.7580, 75.0553, 100.1902 |
| Hunter-Lab | 43.4141, 88.8390, -84.2777 |

Details

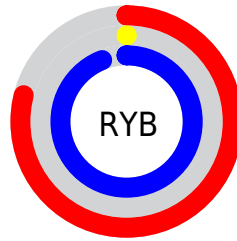
The XYZ color **40.0853, 18.8478, 83.9633** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light saturated magenta. A complement of this color would be **31.9602, 62.7328, 10.4247**, and the grayscale version is **9.0614, 9.5333, 10.3817**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **19.7026, 9.1697, 45.5312** is the 20% darker color. If you saturate the color by 10%, you get **40.0853, 18.8478, 83.9636**, and if you desaturate by 10%, it is **41.4540, 20.0388, 84.1214**.

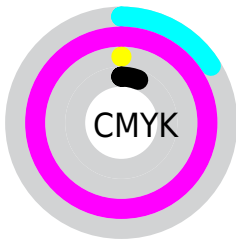
Distribution



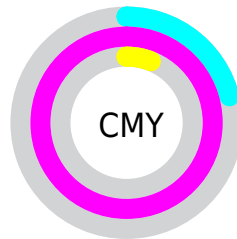
- Red (79%)
- Green (0%)
- Blue (94%)



- Red (79%)
- Yellow (0%)
- Blue (94%)



- Cyan (16%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (21%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0853, 18.8478, 83.9633 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 40.0853, 18.8478, 83.9633 by changing the saturation by 10% instead.


 40.0853, 18.8478,
83.9633


 40.0853, 18.8478,
83.9633


337.6112,
245.6072, 528.2462

 27.7896, 11.5604,
62.4399


 74.5769, 41.4768,
140.7851

 18.3067, 6.4451,
44.9502


 97.5035, 57.5871,
176.9206

 11.2715, 3.1176,
31.0755


 124.7044, 77.4071,
218.7639

 6.3184, 1.1934,
20.3974

 156.5450,
101.3213, 266.7336

 3.0821, 0.0563,
12.4973

 193.3906,
129.7140, 321.2481

 1.1973, 0.0000,
6.9567

 235.6066,

 0.1043, 0.0000,

162.9696, 382.7260

3.3570

283.5584,
201.4726, 451.5859

■ 0.0000, 0.0000,
1.2797

■ 0.0000, 0.0000,
0.0451

■ 40.0853, 18.8478,
83.9633

■ 40.0853, 18.8478,
83.9633

■ 40.0853, 18.8478,
83.9636

■ 41.4540, 20.0388,
84.1214

■ 43.2512, 22.0500,
84.4148

■ 45.6043, 25.1347,
84.8862

■ 48.5883, 29.4431,
85.5605

■ 52.2665, 35.1011,
86.4588

■ 56.6941, 42.2191,
87.5993

■ 61.9207, 50.8959,
88.9987

■ 67.9915, 61.2217,
90.6718

■ 74.9482, 73.2798,
92.6326

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.0203, 18.8478, 141.6620



40.0853, 18.8478, 83.9633



47.7570, 18.8478, 29.9378

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.0853, 18.8478, 83.9633



20.9554, 18.8478, 0.0000



4.6606, 18.8478, 52.4305

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.0853, 18.8478, 83.9633



31.9602, 62.7328, 10.4247

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



4.1349, 18.8478, 13.3218



40.0853, 18.8478, 83.9633



11.1254, 18.8478, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.0853, 18.8478, 83.9633



34.1358, 18.8478, 0.0000



5.9373, 18.8478, 1.3194



7.8714, 18.8478, 113.7816

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.0853, 18.8478, 83.9633



47.2460, 18.8478, 10.3311



5.9373, 18.8478, 1.3194



4.2361, 18.8478, 35.8624

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.0862, 18.8486, 83.9637



70.9933, 58.2948, 102.1180



16.4877, 7.8100, 83.0768



14.6287, 11.5295, 21.7044



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.0862, 18.8486, 83.9637



45.9641, 21.6103, 96.3564



42.2812, 21.0640, 35.0978



16.1941, 15.8973, 19.9366



22.0373, 10.3660, 45.9672



1.8986, 0.8960, 3.8271

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.2856, 18.6657, 3.5254



41.6294, 21.4158, 3.9807



32.6088, 62.8999, 18.0139



15.8748, 15.7996, 16.8971



19.8941, 10.2301, 2.0930



1.6851, 0.8631, 0.3329

Previews

White Background



This preview shows how the XYZ color 40.0853, 18.8478, 83.9633 looks on a white background.

Color Contrast Check

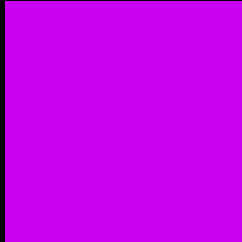
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 40.0853, 18.8478, 83.9633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

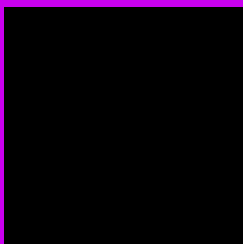
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0853, 18.8478, 83.9633

Background



This preview shows how black text looks on a background with the XYZ color 40.0853, 18.8478, 83.9633.



This preview shows how white text looks on a background with the XYZ color 40.0853, 18.8478,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.0853, 18.8478, 83.9633

Protanopia

23.3046, 19.4999, 91.3425

Deuteranopia

19.8625, 19.4773, 69.0423



Tritanopia

25.8801, 19.0123, 14.6176

Trichromacy



Original Color

40.0853, 18.8478, 83.9633



Protanomaly

21.6779, 12.9066, 87.7349



Deuteranomaly

19.2711, 12.4994, 73.3484



Tritanomaly

28.5186, 16.4459, 31.3770

Monochromacy



Original Color

40.0853, 18.8478, 83.9633



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.4254, 9.4786, 27.0032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0853, 18.8478, 83.9633 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(202, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(202, 0, 240)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(202, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 240) }
```

Border

The CSS property to change the border of an element to XYZ 40.0853, 18.8478, 83.9633 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 0, 240) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(202, 0, 240) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(202, 0, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(202, 0,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0853, 18.8478, 83.9633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 240) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(202, 0,  
240) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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