

Converting Colors

XYZ(39.8997, 18.8956, 77.4725)

Have a look what the booklet for
XYZ(39.8997, 18.8956, 77.4725)
contains.

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Color

**XYZ(39.8774, 18.8913,
77.1459)**

Conversions

Conversions Part 1

Format	Color
Hex	CE00E7
RGB	206, 0, 231
RGB Percent	81%, 0%, 91%
CMY	0.1921, 0.9999, 0.0941
CMYK	0.11, 1.00, 0.00, 0.09
HSL	294°, 100%, 45%
HSV	294°, 100%, 91%
XYZ	39.8774, 18.8913, 77.1459
YIQ	87.9280, 48.6250, 115.5130

Conversions

Conversions Part 2

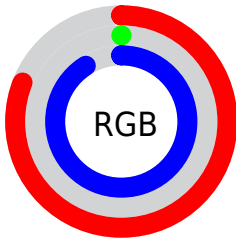
Format	Color
R_{YB}	206, 0, 231
Decimal	13500647
CIE _{Lab}	50.56, 87.42, -63.54
CIE _{LCh}	51, 108.069, 323.988
Yxy	18.8913, 0.2934, 0.1390
Android (android.graphics.Color)	4291690727 (0xFFCE00E7)
YUV	87.9280, 70.5345, 103.5491
Hunter-Lab	43.4641, 87.7077, -74.8109

Details

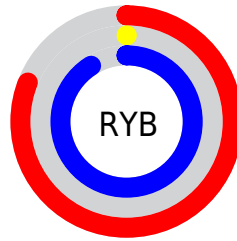
The XYZ color **39.8774, 18.8913, 77.1459** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **28.9775, 57.3590, 9.5447**, and the grayscale version is **9.1071, 9.5814, 10.4341**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **19.4940, 9.1670, 40.7864** is the 20% darker color. If you saturate the color by 10%, you get **39.8774, 18.8913, 77.1462**, and if you desaturate by 10%, it is **40.8865, 19.8700, 77.2819**.

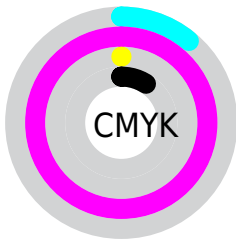
Distribution



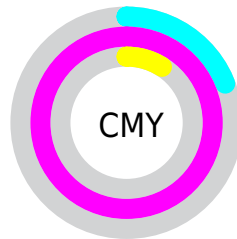
- Red (81%)
- Green (0%)
- Blue (91%)



- Red (81%)
- Yellow (0%)
- Blue (91%)



- Cyan (11%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)



- Cyan (19%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8774, 18.8913, 77.1459 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 39.8774, 18.8913, 77.1459 by changing the saturation by 10% instead.


 39.8774, 18.8913,
77.1459


 39.8774, 18.8913,
77.1459


336.7498,
245.8480, 504.7122


 27.6268, 11.5918,
56.8604


 74.2623, 41.5503,
131.1203

 18.1835, 6.4663,
40.4845


 97.1273, 57.6786,
165.6462


 11.1823, 3.1307,
27.5999

 124.2611, 77.5186,
205.7561

 6.2578, 1.2003,
17.7878

 156.0291,
101.4547, 251.8683

 3.0446, 0.0620,
10.6299

 192.7966,
129.8713, 304.4015

 1.1774, 0.0000,
5.7075

 234.9290,

 0.0884, 0.0000,

163.1528, 363.7742

2.6022

282.7916,
201.6836, 430.4049

■ 0.0000, 0.0000,
0.8936

■ 0.0000, 0.0000,
0.0000

■ 39.8774, 18.8913,
77.1459

■ 39.8774, 18.8913,
77.1459

■ 39.8774, 18.8913,
77.1462

■ 40.8865, 19.8700,
77.2819

■ 42.2741, 21.5901,
77.5408

■ 44.1583, 24.2868,
77.9620

■ 46.6072, 28.0963,
78.5682

■ 49.6781, 33.1333,
79.3786

■ 53.4213, 39.4979,
80.4098

■ 57.8817, 47.2801,
81.6769

■ 63.1003, 56.5620,
83.1934

■ 69.1152, 67.4193,
84.9720

Harmonies

Analogous

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



27.5322, 18.8913, 132.4414



39.8774, 18.8913, 77.1459



46.6379, 18.8913, 27.2764

Triad

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



39.8774, 18.8913, 77.1459



20.1659, 18.8913, 0.0000



5.0654, 18.8913, 54.3923

Complementary

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



39.8774, 18.8913, 77.1459



28.9775, 57.3590, 9.5447

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.



4.3919, 18.8913, 15.0632



39.8774, 18.8913, 77.1459



10.9054, 18.8913, 0.0000

Square

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



39.8774, 18.8913, 77.1459



32.7231, 18.8913, 0.0000



6.0357, 18.8913, 1.8287



8.4726, 18.8913, 112.4721

Rectangle

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



39.8774, 18.8913, 77.1459



45.7181, 18.8913, 9.4779



6.0357, 18.8913, 1.8287



4.5864, 18.8913, 38.0552

Sweetspot

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



39.8783, 18.8921, 77.1463



72.3294, 58.9835, 102.1805



14.8153, 6.5521, 76.0854



14.9523, 11.6964, 21.7195



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.



39.8783, 18.8921, 77.1463



49.8555, 23.6163, 96.5385



37.8723, 18.9562, 27.4348



14.8334, 14.5319, 18.1675



22.4203, 10.6240, 43.2521



1.7010, 0.8079, 3.1982

Inverse Universe

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



33.1310, 17.0597, 2.4675



41.4448, 21.3419, 3.0086



30.3612, 57.8661, 18.9244



14.4401, 14.3932, 15.2519



18.5953, 9.5723, 1.4980



1.3955, 0.7159, 0.2231

Previews

White Background



This preview shows how the XYZ color 39.8774, 18.8913, 77.1459 looks on a white background.

Color Contrast Check

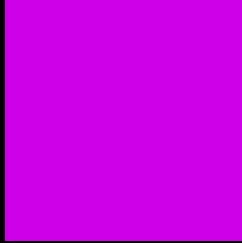
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.8774, 18.8913, 77.1459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

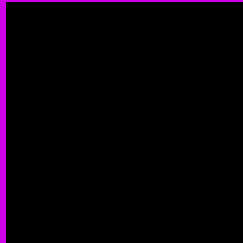
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.8774, 18.8913, 77.1459

Background



This preview shows how black text looks on a background with the XYZ color 39.8774, 18.8913, 77.1459.



This preview shows how white text looks on a background with the XYZ color 39.8774, 18.8913,

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

39.8774, 18.8913, 77.1459

Protanopia

23.4217, 19.7342, 91.3816

Deuteranopia

20.2675, 19.7011, 68.3801



Tritanopia

26.8850, 19.1641, 13.5913

Trichromacy



Original Color

39.8774, 18.8913, 77.1459



Protanomaly

21.4447, 12.9388, 85.3716



Deuteranomaly

20.5969, 13.2456, 70.5783



Tritanomaly

29.2070, 16.7035, 28.8789

Monochromacy



Original Color

39.8774, 18.8913, 77.1459



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.5079, 9.5471, 25.8364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8774, 18.8913, 77.1459 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(206, 0, 231)` looks like.

```
.text, #text, p{  
    color:rgb(206, 0, 231)  
}
```

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(206, 0, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 0, 231) }
```

Border

The CSS property to change the border of an element to XYZ 39.8774, 18.8913, 77.1459 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(206, 0, 231) }
```


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

```
.border{ border-color:rgb(206, 0, 231) }
```

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

Here you see how a box with a 4 pixel rgb(206, 0, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 0, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 0, 231);  
box-shadow:4px 4px 4px 4px rgb(206, 0,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8774, 18.8913, 77.1459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 0, 231) }
```

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

```
.background{ background-color: rgb(206, 0,  
231) }
```

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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