

Converting Colors

XYZ(38.9941, 19.7371, 18.3211)

Have a look what the booklet for
XYZ(38.9941, 19.7371, 18.3211)
contains.

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Color

**XYZ(39.0876, 19.7862,
18.2820)**

Conversions

Conversions Part 1

Format	Color
Hex	F00074
RGB	240, 0, 116
RGB Percent	94%, 0%, 45%
CMY	0.0588, 0.9998, 0.5451
CMYK	0.00, 1.00, 0.52, 0.06
HSL	331°, 100%, 47%
HSV	331°, 100%, 94%
XYZ	39.0876, 19.7862, 18.2820
YIQ	84.9840, 105.8040, 86.9560

Conversions

Conversions Part 2

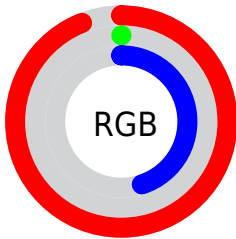
Format	Color
R_{YB}	240, 0, 116
Decimal	15728756
CIE Lab	51.59, 80.47, 6.21
CIE LCh	52, 80.706, 4.410
Yxy	19.7862, 0.5066, 0.2564
Android (android.graphics.Color)	4293918836 (0xFFFF0074)
YUV	84.9840, 15.2909, 135.9490
Hunter-Lab	44.4817, 79.0112, 6.7689

Details

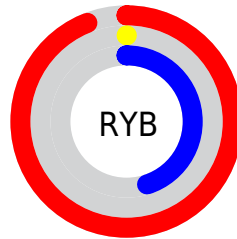
The XYZ color **39.0876, 19.7862, 18.2820** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark saturated rose. A complement of this color would be **34.8023, 63.7770, 29.5629**, and the grayscale version is **8.5912, 9.0386, 9.8430**.

A 20% lighter version of the original color is **52.4908, 32.4529, 40.5433**, and **19.1748, 9.7645, 6.3429** is the 20% darker color. If you saturate the color by 10%, you get **39.0858, 19.7855, 18.2733**, and if you desaturate by 10%, it is **40.1858, 20.7499, 22.4486**.

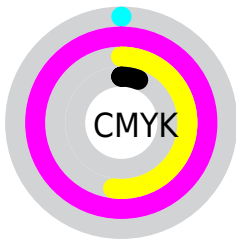
Distribution



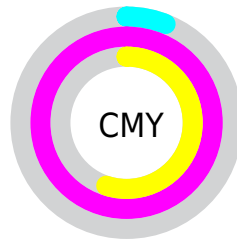
- Red (94%)
- Green (0%)
- Blue (45%)



- Red (94%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.0876, 19.7862, 18.2820 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 39.0876, 19.7862, 18.2820 by changing the saturation by 10% instead.


 39.0876, 19.7862,
18.2820


 39.0876, 19.7862,
18.2820


333.4635,
250.7553, 254.7450

 27.0089, 12.2397,
10.9811


 73.0653, 43.0584,
41.3377


 17.7165, 6.9072,
5.9401


 95.6951, 59.5530,
57.9295


 10.8451, 3.4041,
2.7405


 122.5726, 79.7990,
78.4555

 6.0293, 1.3462,
0.9637

 154.0632,
104.1810, 103.3340

 2.9037, 0.1765,
0.0000

 190.5322,
133.0832, 132.9837

 1.1031, 0.0000,
0.0000

 232.3450,

 0.0277, 0.0000,

166.8900, 167.8231

0.0000

279.8670,
205.9860, 208.2707

■ 0.0000, 0.0000,
0.0000

■ 39.0876, 19.7862,
18.2820

■ 39.0876, 19.7862,
18.2820

■ 39.0858, 19.7855,
18.2733

■ 40.1858, 20.7499,
22.4486

■ 41.7876, 22.5610,
27.2759

■ 44.0231, 25.4739,
32.8242

■ 46.9704, 29.6400,
39.1354

■ 50.6956, 35.1864,
46.2468

■ 55.2567, 42.2245,
54.1924

■ 60.7060, 50.8541,
63.0038

■ 67.0913, 61.1665,
72.7104

■ 74.4568, 73.2459,
83.3402

Harmonies

Analogous

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



36.7160, 19.7862, 47.2345



39.0876, 19.7862, 18.2820



34.8705, 19.7862, 4.8577

Triad

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



39.0876, 19.7862, 18.2820



11.2849, 19.7862, 1.6971



12.8315, 19.7862, 92.3730

Complementary

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



39.0876, 19.7862, 18.2820



34.8023, 63.7770, 29.5629

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.



8.6349, 19.7862, 58.0268



39.0876, 19.7862, 18.2820



7.9392, 19.7862, 7.4178

Square

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



39.0876, 19.7862, 18.2820



17.6298, 19.7862, 0.5935



7.1316, 19.7862, 25.1722



20.0338, 19.7862, 104.0720

Rectangle

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



39.0876, 19.7862, 18.2820



29.4464, 19.7862, 1.7960



7.1316, 19.7862, 25.1722



11.0985, 19.7862, 82.2858

Sweetspot

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



39.0881, 19.7874, 18.2823



69.5858, 58.2304, 72.1764



24.0448, 10.5795, 83.2127



14.3018, 11.5200, 14.5079



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.



39.0881, 19.7874, 18.2823



44.8290, 22.6956, 20.8292



35.9794, 18.6134, 1.6980



16.0910, 15.8861, 18.0355



21.4628, 10.8576, 10.3538



1.8356, 0.9233, 1.1250

Inverse Universe

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



39.0881, 19.7874, 18.2823



44.8290, 22.6956, 20.8292



45.7245, 66.2829, 92.8219



16.0910, 15.8861, 18.0355



21.4628, 10.8576, 10.3538



1.8356, 0.9233, 1.1250

Previews

White Background



This preview shows how the XYZ color 39.0876, 19.7862, 18.2820 looks on a white background.

Color Contrast Check

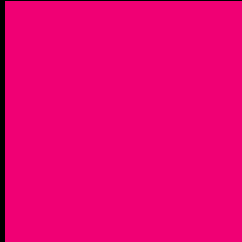
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.0876, 19.7862, 18.2820 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 39.0876, 19.7862, 18.2820

Background



This preview shows how black text looks on a background with the XYZ color 39.0876, 19.7862, 18.2820.



This preview shows how white text looks on a background with the XYZ color 39.0876, 19.7862,

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

39.0876, 19.7862, 18.2820

Protanopia

20.8329, 20.4378, 39.8927

Deuteranopia

20.6457, 20.3132, 16.4684



Tritanopia

36.3952, 20.1558, 4.5570

Trichromacy



Original Color

39.0876, 19.7862, 18.2820



Protanomaly

22.4473, 14.9896, 30.1440



Deuteranomaly

23.7590, 15.7596, 16.5415



Tritanomaly

36.8366, 19.5108, 7.7857

Monochromacy



Original Color

39.0876, 19.7862, 18.2820



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.4150, 9.1456, 12.0719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0876, 19.7862, 18.2820 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(240, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 116)  
}
```

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(240, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 116) }
```

Border

The CSS property to change the border of an element to XYZ 39.0876, 19.7862, 18.2820 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(240, 0, 116) }
```


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

```
.border{ border-color:rgb(240, 0, 116) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0876, 19.7862, 18.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 116) }
```

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

```
.background{ background-color: rgb(240, 0,  
116) }
```

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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