

Converting Colors

XYZ(38.9304, 19.8812, 10.3257)

Have a look what the booklet for
XYZ(38.9304, 19.8812, 10.3257)
contains.

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Color

**XYZ(38.9479, 19.8890,
10.3805)**

Conversions

Conversions Part 1

Format	Color
Hex	F40055
RGB	244, 0, 85
RGB Percent	96%, 0%, 33%
CMY	0.0431, 0.9997, 0.6667
CMYK	0.00, 1.00, 0.65, 0.04
HSL	339°, 100%, 48%
HSV	339°, 100%, 96%
XYZ	38.9479, 19.8890, 10.3805
YIQ	82.6460, 118.1390, 78.1630

Conversions

Conversions Part 2

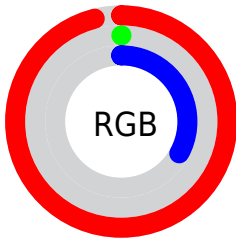
Format	Color
R_{YB}	244, 0, 85
Decimal	15990869
CIE _{Lab}	51.71, 79.52, 25.38
CIE _{LCh}	52, 83.472, 17.700
Yxy	19.8890, 0.5627, 0.2873
Android (android.graphics.Color)	4294180949 (0xFFFF40055)
YUV	82.6460, 1.1605, 141.5075
Hunter-Lab	44.5971, 77.8442, 17.4175

Details

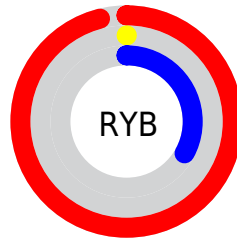
The XYZ color **38.9479, 19.8890, 10.3805** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **38.6148, 67.2067, 43.7667**, and the grayscale version is **8.1383, 8.5621, 9.3241**.

A 20% lighter version of the original color is **49.7259, 31.3470, 25.9840**, and **18.9906, 9.7438, 2.9776** is the 20% darker color. If you saturate the color by 10%, you get **38.9460, 19.8882, 10.3718**, and if you desaturate by 10%, it is **39.9885, 20.8433, 14.2029**.

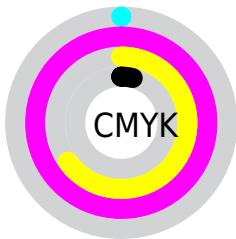
Distribution



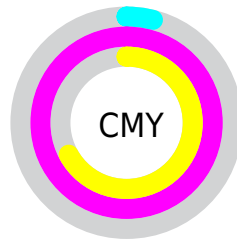
- Red (96%)
- Green (0%)
- Blue (33%)



- Red (96%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (4%)




- Cyan (4%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9479, 19.8890, 10.3805 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 38.9479, 19.8890, 10.3805 by changing the saturation by 10% instead.


 38.9479, 19.8890,
10.3805


 38.9479, 19.8890,
10.3805

332.8799,
251.3136, 203.9491


 26.8997, 12.3144,
5.5431


 72.8533, 43.2310,
27.1277


 17.6341, 6.9582,
2.5050


 95.4413, 59.7672,
39.8745


 10.7857, 3.4359,
0.8428


 122.2732, 80.0593,
56.0949

 5.9892, 1.3633,
0.0000

 153.7144,
104.4919, 76.2074

 2.8791, 0.1895,
0.0000

 190.1304,
133.4492, 100.6305

 1.0901, 0.0000,
0.0000

 231.8864,

 0.0169, 0.0000,

167.3156, 129.7828

0.0000

279.3478,
206.4756, 164.0828

■ 0.0000, 0.0000,
0.0000

■ 38.9479, 19.8890,
10.3805

■ 38.9479, 19.8890,
10.3805

■ 38.9460, 19.8882,
10.3718

■ 39.9885, 20.8433,
14.2029

■ 41.6002, 22.6981,
18.9592

■ 43.9217, 25.7184,
24.7355

■ 47.0385, 30.0633,
31.5972

■ 51.0233, 35.8670,
39.6028

■ 55.9401, 43.2467,
48.8064

■ 61.8465, 52.3079,
59.2579

■ 68.7953, 63.1468,
71.0042

■ 76.8356, 75.8521,
84.0899

Harmonies

Analogous

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



39.5918, 19.8890, 33.1350



38.9479, 19.8890, 10.3805



32.0557, 19.8890, 2.2651

Triad

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



38.9479, 19.8890, 10.3805



9.2662, 19.8890, 3.0239



15.6549, 19.8890, 106.1294

Complementary

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



38.9479, 19.8890, 10.3805



38.6148, 67.2067, 43.7667

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.



9.9543, 19.8890, 77.3848



38.9479, 19.8890, 10.3805



7.0725, 19.8890, 13.1910

Square

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



38.9479, 19.8890, 10.3805



14.3890, 19.8890, 0.6738



7.2798, 19.8890, 39.0712



24.2764, 19.8890, 102.8947

Rectangle

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



38.9479, 19.8890, 10.3805



25.7505, 19.8890, 0.8340



7.2798, 19.8890, 39.0712



13.3931, 19.8890, 99.3328

Sweetspot

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



38.9484, 19.8902, 10.3808



68.2960, 57.7145, 65.3845



30.5530, 13.8654, 86.6533



13.9992, 11.3989, 12.9144



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.



38.9484, 19.8902, 10.3808



43.0343, 21.9777, 11.3787



37.9592, 20.5348, 1.9648



16.7373, 16.5778, 18.3635



21.2350, 10.8374, 5.9457



1.9130, 0.9712, 0.7683

Inverse Universe

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



38.9484, 19.8902, 10.3808



43.0343, 21.9777, 11.3787



38.7419, 51.3561, 93.4582



16.7373, 16.5778, 18.3635



21.2350, 10.8374, 5.9457



1.9130, 0.9712, 0.7683

Previews

White Background



This preview shows how the XYZ color 38.9479, 19.8890, 10.3805 looks on a white background.

Color Contrast Check

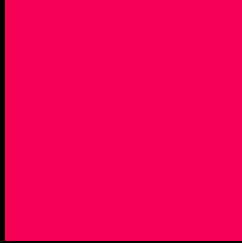
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.9479, 19.8890, 10.3805 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 38.9479, 19.8890, 10.3805

Background



This preview shows how black text looks on a background with the XYZ color 38.9479, 19.8890, 10.3805.



This preview shows how white text looks on a background with the XYZ color 38.9479, 19.8890,

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

38.9479, 19.8890, 10.3805

Protanopia

19.6617, 20.4080, 22.3049

Deuteranopia

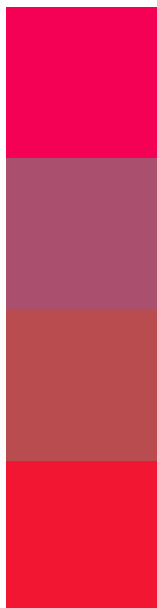
20.7818, 20.3635, 9.3138



Tritanopia

37.4373, 20.1202, 3.2068

Trichromacy



Original Color

38.9479, 19.8890, 10.3805

Protanomaly

22.1880, 15.2638, 16.5286

Deuteranomaly

23.9672, 16.0332, 9.0392

Tritanomaly

37.8466, 19.8675, 4.9720

Monochromacy



Original Color

38.9479, 19.8890, 10.3805

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

14.0287, 8.9371, 9.3731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9479, 19.8890, 10.3805 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(244, 0, 85)` looks like.

```
.text, #text, p{  
    color:rgb(244, 0, 85)  
}
```

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(244, 0, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 85) }
```

Border

The CSS property to change the border of an element to XYZ 38.9479, 19.8890, 10.3805 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(244, 0, 85) }
```


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

```
.border{ border-color:rgb(244, 0, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 0, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(244, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.9479, 19.8890, 10.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 0, 85) }
```

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

```
.background{ background-color: rgb(244, 0,  
85) }
```

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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