

Converting Colors

XYZ(38.6304, 19.7941, 7.2564)

Have a look what the booklet for
XYZ(38.6304, 19.7941, 7.2564)
contains.

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Color

**XYZ(38.6996, 19.8298,
7.2567)**

Conversions

Conversions Part 1

Format	Color
Hex	F50044
RGB	245, 0, 68
RGB Percent	96%, 0%, 27%
CMY	0.0392, 0.9998, 0.7333
CMYK	0.00, 1.00, 0.72, 0.04
HSL	343°, 100%, 48%
HSV	343°, 100%, 96%
XYZ	38.6996, 19.8298, 7.2567
YIQ	81.0070, 124.1920, 73.0880

Conversions

Conversions Part 2

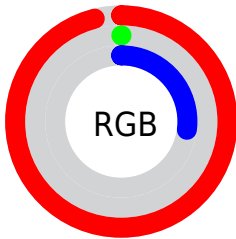
Format	Color
R_{YB}	245, 0, 68
Decimal	16056388
CIE _{Lab}	51.64, 79.02, 35.54
CIE _{LCh}	52, 86.644, 24.217
Yxy	19.8298, 0.5883, 0.3014
Android (android.graphics.Color)	4294246468 (0xFFFF50044)
YUV	81.0070, -6.4125, 143.8219
Hunter-Lab	44.5307, 77.1977, 21.5096

Details

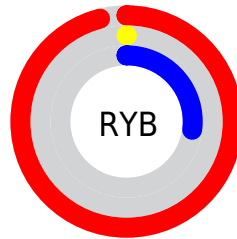
The XYZ color **38.6996, 19.8298, 7.2567** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **40.5948, 68.4816, 52.7050**, and the grayscale version is **7.8241, 8.2316, 8.9642**.

A 20% lighter version of the original color is **48.4846, 30.7054, 19.8943**, and **18.7769, 9.6583, 1.8519** is the 20% darker color. If you saturate the color by 10%, you get **38.6980, 19.8292, 7.2497**, and if you desaturate by 10%, it is **39.6621, 20.7561, 10.6578**.

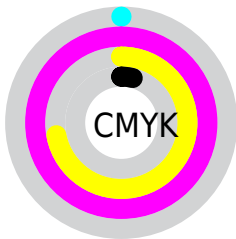
Distribution



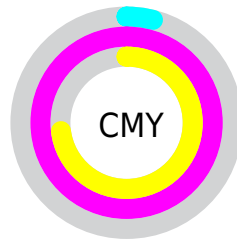
- Red (96%)
- Green (0%)
- Blue (27%)



- Red (96%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6996, 19.8298, 7.2567 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 38.6996, 19.8298, 7.2567 by changing the saturation by 10% instead.


 38.6996, 19.8298,
7.2567


 38.6996, 19.8298,
7.2567


331.8408,
250.9922, 179.4910


 26.7058, 12.2714,
3.5423


 72.4762, 43.1316,
21.0094

 17.4878, 6.9288,
1.3778


 94.9897, 59.6439,
31.8847

 10.6804, 3.4176,
0.1243


 121.7405, 79.9095,
45.9842

 5.9180, 1.3534,
0.0000

 153.0939,
104.3129, 63.7262

 2.8355, 0.1820,
0.0000

 189.4152,
133.2385, 85.5293

 1.0674, 0.0000,
0.0000

 231.0700,

 0.0000, 0.0000,

167.0706, 111.8122

0.0000

278.4234,
206.1937, 142.9932

■ 38.6996, 19.8298,
7.2567

■ 38.6996, 19.8298,
7.2567

■ 38.6980, 19.8292,
7.2497

■ 39.6621, 20.7561,
10.6578

■ 41.2256, 22.6016,
15.1296

■ 43.5337, 25.6347,
20.7791

■ 46.6762, 30.0179,
27.6902

■ 50.7296, 35.8875,
35.9380

■ 55.7612, 43.3635,
45.5912

■ 61.8317, 52.5531,
56.7137

■ 68.9970, 63.5545,
69.3652

■ 77.3085, 76.4582,
83.6020

Harmonies

Analogous

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



40.9939, 19.8298, 26.8125



38.6996, 19.8298, 7.2567



30.4784, 19.8298, 1.3544

Triad

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



38.6996, 19.8298, 7.2567



8.2388, 19.8298, 3.9068



17.2047, 19.8298, 113.5718

Complementary

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



38.6996, 19.8298, 7.2567



40.5948, 68.4816, 52.7050

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.



10.6311, 19.8298, 88.8813



38.6996, 19.8298, 7.2567



6.5860, 19.8298, 17.0961

Square

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



38.6996, 19.8298, 7.2567



12.7615, 19.8298, 0.7007



7.3016, 19.8298, 47.9557



26.6140, 19.8298, 101.9274

Rectangle

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



38.6996, 19.8298, 7.2567



23.7973, 19.8298, 0.3961



7.3016, 19.8298, 47.9557



14.6368, 19.8298, 108.8910

Sweetspot

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



38.7000, 19.8311, 7.2570



67.6526, 57.4571, 61.9963



34.2962, 15.7774, 87.6235



13.8496, 11.3391, 12.1265



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.



38.7000, 19.8311, 7.2570



42.3687, 21.7115, 7.8736



38.9354, 21.9707, 2.1904



16.6880, 16.5581, 18.1036



20.8978, 10.7025, 4.1700



1.8785, 0.9574, 0.5866

Inverse Universe

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



38.7000, 19.8311, 7.2570



42.3687, 21.7115, 7.8736



35.3162, 44.2612, 93.0676



16.6880, 16.5581, 18.1036



20.8978, 10.7025, 4.1700



1.8785, 0.9574, 0.5866

Previews

White Background



This preview shows how the XYZ color 38.6996, 19.8298, 7.2567 looks on a white background.

Color Contrast Check

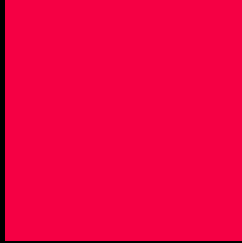
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6996, 19.8298, 7.2567 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 38.6996, 19.8298, 7.2567

Background



This preview shows how black text looks on a background with the XYZ color 38.6996, 19.8298, 7.2567.

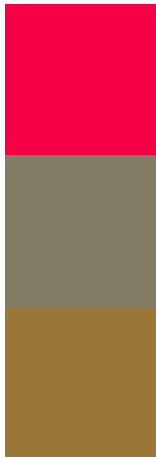


This preview shows how white text looks on a background with the XYZ color 38.6996, 19.8298,

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

38.6996, 19.8298, 7.2567

Protanopia

19.0723, 20.2604, 15.2174

Deuteranopia

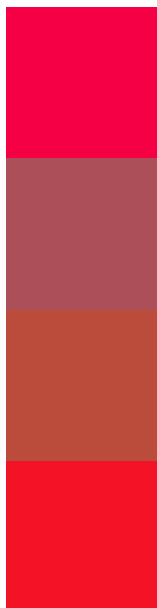
20.6128, 20.3395, 6.4539



Tritanopia

37.8588, 20.1177, 2.5972

Trichromacy



Original Color

38.6996, 19.8298, 7.2567

Protanomaly

21.8327, 15.1975, 11.2339

Deuteranomaly

23.8936, 16.0599, 6.1155

Tritanomaly

37.8744, 19.8056, 3.6604

Monochromacy



Original Color

38.6996, 19.8298, 7.2567

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

13.5170, 8.6405, 7.7928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6996, 19.8298, 7.2567 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(245, 0, 68)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 68)  
}
```

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(245, 0, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 68) }
```

Border

The CSS property to change the border of an element to XYZ 38.6996, 19.8298, 7.2567 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(245, 0, 68) }
```


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

```
.border{ border-color:rgb(245, 0, 68) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 68);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.6996, 19.8298, 7.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 68) }
```

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

```
.background{ background-color: rgb(245, 0,  
68) }
```

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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