

Converting Colors

XYZ(38.1401, 19.5980, 4.6746)

Have a look what the booklet for
XYZ(38.1401, 19.5980, 4.6746)
contains.

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Color

**XYZ(38.2106, 19.6342,
4.6816)**

Conversions

Conversions Part 1

Format	Color
Hex	F50031
RGB	245, 0, 49
RGB Percent	96%, 0%, 19%
CMY	0.0392, 0.9998, 0.8078
CMYK	0.00, 1.00, 0.80, 0.04
HSL	348°, 100%, 48%
HSV	348°, 100%, 96%
XYZ	38.2106, 19.6342, 4.6816
YIQ	78.8410, 130.2910, 67.1790

Conversions

Conversions Part 2

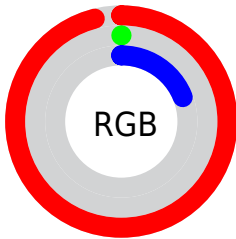
Format	Color
RYB	245, 0, 49
Decimal	16056369
CIELab	51.42, 78.41, 46.18
CIELCh	51, 91.000, 30.494
Yxy	19.6342, 0.6111, 0.3140
Android (android.graphics.Color)	4294246449 (0xFFFF50031)
YUV	78.8410, -14.7116, 145.7214
Hunter-Lab	44.3105, 76.3839, 24.7531

Details

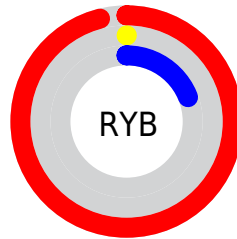
The XYZ color **38.2106, 19.6342, 4.6816** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **42.6237, 69.2931, 63.3890**, and the grayscale version is **7.4176, 7.8039, 8.4984**.

A 20% lighter version of the original color is **47.4435, 30.2889, 14.4121**, and **18.6178, 9.5947, 1.0143** is the 20% darker color. If you saturate the color by 10%, you get **38.2093, 19.6337, 4.6762**, and if you desaturate by 10%, it is **39.0563, 20.5138, 7.4673**.

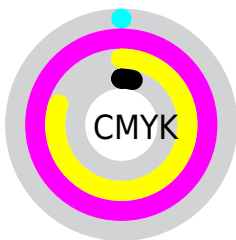
Distribution



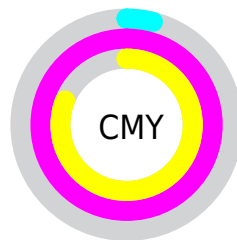
- Red (96%)
- Green (0%)
- Blue (19%)



- Red (96%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2106, 19.6342, 4.6816 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 38.2106, 19.6342, 4.6816 by changing the saturation by 10% instead.

 38.2106, 19.6342,
4.6816


 38.2106, 19.6342,
4.6816

329.7878,
249.9279, 155.5243


 26.3241, 12.1294,
2.0062


 71.7326, 42.8030,
15.5535


 17.2002, 6.8319,
0.5591


 94.0989, 59.2359,
24.5871

 10.4735, 3.3572,
0.0000


 120.6892, 79.4136,
36.5772

 5.7787, 1.3209,
0.0000

 151.8688,
103.7204, 51.9424

 2.7504, 0.1573,
0.0000

 188.0031,
132.5409, 71.1012

 1.0232, 0.0000,
0.0000

 229.4575,

 0.0000, 0.0000,

166.2594, 94.4720

0.0000

276.5972,
205.2602, 122.4735

■ 38.2106, 19.6342,
4.6816

■ 38.2106, 19.6342,
4.6816

■ 38.2093, 19.6337,
4.6762

■ 39.0563, 20.5138,
7.4673

■ 40.5270, 22.3222,
11.4508

■ 42.7725, 25.3303,
16.7707

■ 45.8876, 29.7025,
23.5370

■ 49.9530, 35.5770,
31.8481

■ 55.0400, 43.0752,
41.7932

■ 61.2129, 52.3058,
53.4548

■ 68.5307, 63.3682,
66.9094

■ 77.0479, 76.3542,
82.2290

Harmonies

Analogous

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



42.2542, 19.6342, 20.9488



38.2106, 19.6342, 4.6816



28.6962, 19.6342, 0.6614

Triad

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



38.2106, 19.6342, 4.6816



7.1847, 19.6342, 4.9590



18.8131, 19.6342, 121.1407

Complementary

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



38.2106, 19.6342, 4.6816



42.6237, 69.2931, 63.3890

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.



11.2905, 19.6342, 101.6048



38.2106, 19.6342, 4.6816



6.0476, 19.6342, 21.8137

Square

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



38.2106, 19.6342, 4.6816



11.1045, 19.6342, 0.7162



7.2649, 19.6342, 58.3165



29.0461, 19.6342, 100.3872

Rectangle

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



38.2106, 19.6342, 4.6816



21.7095, 19.6342, 0.0000



7.2649, 19.6342, 58.3165



15.9135, 19.6342, 118.9682

Sweetspot

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



38.2110, 19.6355, 4.6819



66.9735, 57.1855, 58.4203



39.2500, 18.3312, 87.8553



13.6927, 11.2763, 11.3007



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.



38.2110, 19.6355, 4.6819



41.8364, 21.4986, 5.0707



40.0747, 24.2492, 2.5702



16.6345, 16.5366, 17.8218



20.6231, 10.5927, 2.7238



1.8476, 0.9450, 0.4239

Inverse Universe

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



38.2110, 19.6355, 4.6819



41.8364, 21.4986, 5.0707



31.1431, 35.9148, 91.6765



16.6345, 16.5366, 17.8218



20.6231, 10.5927, 2.7238



1.8476, 0.9450, 0.4239

Previews

White Background



This preview shows how the XYZ color 38.2106, 19.6342, 4.6816 looks on a white background.

Color Contrast Check

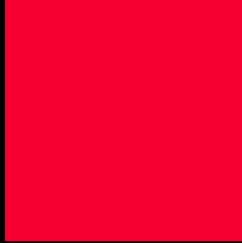
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.2106, 19.6342, 4.6816 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 38.2106, 19.6342, 4.6816

Background



This preview shows how black text looks on a background with the XYZ color 38.2106, 19.6342, 4.6816.



This preview shows how white text looks on a background with the XYZ color 38.2106, 19.6342,

4.6816.

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

38.2106, 19.6342, 4.6816

Protanopia

18.6655, 20.1713, 9.7472

Deuteranopia

20.4361, 20.1237, 4.1035



Tritanopia

37.5764, 19.7694, 1.8354

Trichromacy



Original Color

38.2106, 19.6342, 4.6816

Protanomaly

21.6838, 15.2154, 6.9483

Deuteranomaly

23.6050, 15.8635, 3.6516

Tritanomaly

37.5613, 19.5646, 2.3689

Monochromacy



Original Color

38.2106, 19.6342, 4.6816

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

12.8315, 8.1875, 6.3729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2106, 19.6342, 4.6816 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 49) }
```

Border

The CSS property to change the border of an element to XYZ 38.2106, 19.6342, 4.6816 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, 49) }
```


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

```
.border{ border-color:rgb(245, 0, 49) }
```

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, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.2106, 19.6342, 4.6816 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, 49) }
```

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

```
.background{ background-color: rgb(245, 0,  
49) }
```

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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