

Converting Colors

XYZ(38.4015, 19.7026, 6.0511)

Have a look what the booklet for
XYZ(38.4015, 19.7026, 6.0511)
contains.

XYZ(38.4718, 19.7387, 6.0572)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.4718, 19.7387,
6.0572)**

Conversions

Conversions Part 1

Format	Color
Hex	F5003C
RGB	245, 0, 60
RGB Percent	96%, 0%, 24%
CMY	0.0392, 0.9998, 0.7647
CMYK	0.00, 1.00, 0.76, 0.04
HSL	345°, 100%, 48%
HSV	345°, 100%, 96%
XYZ	38.4718, 19.7387, 6.0572
YIQ	80.0950, 126.7600, 70.6000

Conversions

Conversions Part 2

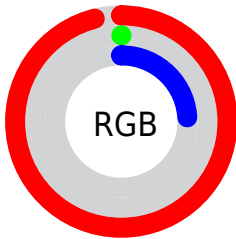
Format	Color
R_{YB}	245, 0, 60
Decimal	16056380
CIE _{Lab}	51.54, 78.74, 40.10
CIE _{LCh}	52, 88.361, 26.989
Yxy	19.7387, 0.5986, 0.3071
Android (android.graphics.Color)	4294246460 (0xFFFF5003C)
YUV	80.0950, -9.9068, 144.6217
Hunter-Lab	44.4283, 76.8192, 23.0164

Details

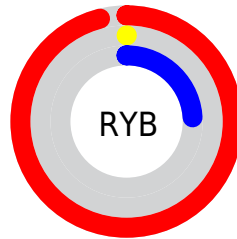
The XYZ color **38.4718, 19.7387, 6.0572** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **41.4165, 68.8102, 57.0319**, and the grayscale version is **7.6515, 8.0500, 8.7665**.

A 20% lighter version of the original color is **47.9861, 30.5060, 17.2690**, and **18.6996, 9.6274, 1.4450** is the 20% darker color. If you saturate the color by 10%, you get **38.4703, 19.7381, 6.0507**, and if you desaturate by 10%, it is **39.3876, 20.6464, 9.2122**.

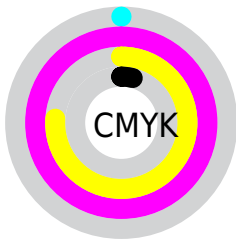
Distribution



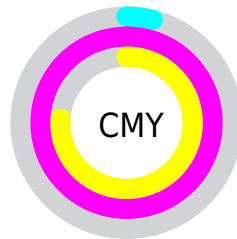
- Red (96%)
- Green (0%)
- Blue (24%)



- Red (96%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4718, 19.7387, 6.0572 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 38.4718, 19.7387, 6.0572 by changing the saturation by 10% instead.


 38.4718, 19.7387,
6.0572


 38.4718, 19.7387,
6.0572


330.8855,
250.4970, 168.9044


 26.5279, 12.2052,
2.8105


 72.1300, 42.9787,
18.5292


 17.3538, 6.8836,
0.9987


 94.5750, 59.4540,
28.5917


 10.5839, 3.3894,
0.0000


 121.2511, 79.6787,
41.7631

 5.8530, 1.3383,
0.0000

 152.5236,
104.0372, 58.4621

 2.7957, 0.1705,
0.0000

 188.7580,
132.9138, 79.1072

 1.0467, 0.0000,
0.0000

 230.3195,

 0.0000, 0.0000,

166.6931, 104.1169

0.0000

277.5736,
205.7594, 133.9098

■ 38.4718, 19.7387,
6.0572

■ 38.4718, 19.7387,
6.0572

■ 38.4703, 19.7381,
6.0507

■ 39.3876, 20.6464,
9.2122

■ 40.9150, 22.4774,
13.4937

■ 43.1998, 25.5014,
19.0206

■ 46.3338, 29.8811,
25.8867

■ 50.3952, 35.7541,
34.1761

■ 55.4527, 43.2405,
43.9656

■ 61.5685, 52.4483,
55.3263

■ 68.7996, 63.4761,
68.3245

■ 77.1989, 76.4150,
83.0228

Harmonies

Analogous

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



41.5136, 19.7387, 24.1654



38.4718, 19.7387, 6.0572



29.6915, 19.7387, 1.0339

Triad

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



38.4718, 19.7387, 6.0572



7.7725, 19.7387, 4.3384



17.8781, 19.7387, 116.7211

Complementary

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



38.4718, 19.7387, 6.0572



41.4165, 68.8102, 57.0319

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.



10.9084, 19.7387, 94.1609



38.4718, 19.7387, 6.0572



6.3499, 19.7387, 19.0236

Square

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



38.4718, 19.7387, 6.0572



12.0272, 19.7387, 0.7079



7.2845, 19.7387, 52.2188



27.6307, 19.7387, 101.2097

Rectangle

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



38.4718, 19.7387, 6.0572



22.8757, 19.7387, 0.1937



7.2845, 19.7387, 52.2188



15.1719, 19.7387, 113.0876

Sweetspot

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



38.4722, 19.7400, 6.0575



67.3633, 57.3414, 60.4732



36.1929, 16.7553, 87.7121



13.7826, 11.3123, 11.7740



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.



38.4722, 19.7400, 6.0575



42.1205, 21.6122, 6.5668



39.3409, 22.7817, 2.3256



16.6654, 16.5490, 17.9846



20.7705, 10.6516, 3.5000



1.8646, 0.9518, 0.5135

Inverse Universe

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



38.4722, 19.7400, 6.0575



42.1205, 21.6122, 6.5668



33.5738, 40.7764, 92.4867



16.6654, 16.5490, 17.9846



20.7705, 10.6516, 3.5000



1.8646, 0.9518, 0.5135

Previews

White Background



This preview shows how the XYZ color 38.4718, 19.7387, 6.0572 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 38.4718, 19.7387, 6.0572 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 38.4718, 19.7387, 6.0572

Background



This preview shows how black text looks on a background with the XYZ color 38.4718, 19.7387, 6.0572.

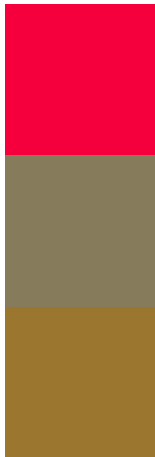


This preview shows how white text looks on a background with the XYZ color 38.4718, 19.7387,

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

38.4718, 19.7387, 6.0572

Protanopia

18.9275, 20.2390, 12.8065

Deuteranopia

20.4891, 20.1227, 5.3889



Tritanopia

37.7421, 19.9628, 2.3159

Trichromacy



Original Color

38.4718, 19.7387, 6.0572



Protanomaly

21.6995, 15.1698, 9.3738



Deuteranomaly

23.8527, 15.9625, 4.9559



Tritanomaly

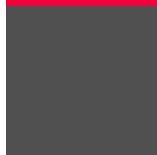
37.7408, 19.7026, 3.1101

Monochromacy



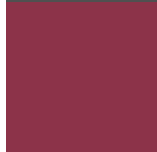
Original Color

38.4718, 19.7387, 6.0572



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

13.2016, 8.4241, 7.2335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4718, 19.7387, 6.0572 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, 60)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 60)  
}
```

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, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 60) }
```

Border

The CSS property to change the border of an element to XYZ 38.4718, 19.7387, 6.0572 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, 60) }
```


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

```
.border{ border-color:rgb(245, 0, 60) }
```

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, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 60);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 60)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.4718, 19.7387, 6.0572 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, 60) }
```

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

```
.background{ background-color: rgb(245, 0,  
60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor