

Converting Colors

XYZ(38.1601, 19.6060, 4.7798)

Have a look what the booklet for
XYZ(38.1601, 19.6060, 4.7798)
contains.

XYZ(38.2319, 19.6428, 4.7940)	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(38.2319, 19.6428,
4.7940)**

Conversions

Conversions Part 1

Format	Color
Hex	F50032
RGB	245, 0, 50
RGB Percent	96%, 0%, 20%
CMY	0.0392, 0.9997, 0.8039
CMYK	0.00, 1.00, 0.80, 0.04
HSL	348°, 100%, 48%
HSV	348°, 100%, 96%
XYZ	38.2319, 19.6428, 4.7940
YIQ	78.9550, 129.9700, 67.4900

Conversions

Conversions Part 2

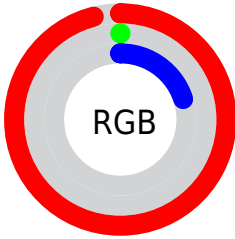
Format	Color
R_YB	245, 0, 50
Decimal	16056370
CIE _{Lab}	51.43, 78.44, 45.64
CIE _{LCh}	51, 90.750, 30.192
Yxy	19.6428, 0.6101, 0.3134
Android (android.graphics.Color)	4294246450 (0xFFFF50032)
YUV	78.9550, -14.2748, 145.6215
Hunter-Lab	44.3202, 76.4190, 24.6109

Details

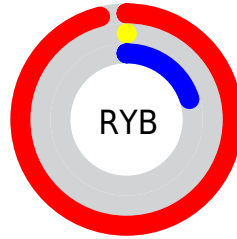
The XYZ color **38.2319, 19.6428, 4.7940** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **42.5107, 69.2478, 62.7942**, and the grayscale version is **7.4392, 7.8266, 8.5232**.

A 20% lighter version of the original color is **47.4899, 30.3075, 14.6562**, and **18.6233, 9.5969, 1.0431** is the 20% darker color. If you saturate the color by 10%, you get **38.2305, 19.6421, 4.7880**, and if you desaturate by 10%, it is **39.0843, 20.5252, 7.6146**.

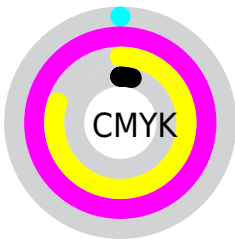
Distribution



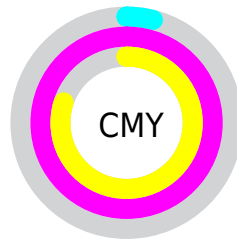
- Red (96%)
- Green (0%)
- Blue (20%)



- Red (96%)
- Yellow (0%)
- Blue (20%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2319, 19.6428, 4.7940 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 38.2319, 19.6428, 4.7940 by changing the saturation by 10% instead.


 38.2319, 19.6428,
4.7940


 38.2319, 19.6428,
4.7940

329.8774,
249.9748, 156.6795


 26.3408, 12.1357,
2.0703


 71.7651, 42.8175,
15.8031


 17.2128, 6.8361,
0.5980


 94.1378, 59.2538,
24.9256


 10.4825, 3.3598,
0.0000


 120.7350, 79.4354,
37.0181

 5.7848, 1.3224,
0.0000

 151.9222,
103.7465, 52.4991

 2.7541, 0.1584,
0.0000

 188.0647,
132.5716, 71.7872

 1.0251, 0.0000,
0.0000

 229.5278,

 0.0000, 0.0000,

166.2951, 95.3010

0.0000

276.6769,
205.3014, 123.4589

■ 38.2319, 19.6428,
4.7940

■ 38.2319, 19.6428,
4.7940

■ 38.2305, 19.6421,
4.7880

■ 39.0843, 20.5252,
7.6146

■ 40.5606, 22.3360,
11.6270

■ 42.8101, 25.3459,
16.9677

■ 45.9274, 29.7192,
23.7451

■ 49.9930, 35.5940,
32.0562

■ 55.0779, 43.0915,
41.9891

■ 61.2461, 52.3205,
53.6249

■ 68.5564, 63.3802,
67.0395

■ 77.0633, 76.3625,
82.3038

Harmonies

Analogous

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



42.1863, 19.6428, 21.2205



38.2319, 19.6428, 4.7940



28.7822, 19.6428, 0.6943

Triad

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



38.2319, 19.6428, 4.7940



7.2355, 19.6428, 4.9019



18.7285, 19.6428, 120.7377

Complementary

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



38.2319, 19.6428, 4.7940



42.5107, 69.2478, 62.7942

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.



11.2561, 19.6428, 100.9247



38.2319, 19.6428, 4.7940



6.0740, 19.6428, 21.5557

Square

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



38.2319, 19.6428, 4.7940



11.1839, 19.6428, 0.7155



7.2666, 19.6428, 57.7557



28.9177, 19.6428, 100.4539

Rectangle

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



38.2319, 19.6428, 4.7940



21.8103, 19.6428, 0.0000



7.2666, 19.6428, 57.7557



15.8464, 19.6428, 118.4325

Sweetspot

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



38.2323, 19.6441, 4.7943



67.0084, 57.1995, 58.6042



38.2026, 17.7914, 87.8060



13.7008, 11.2795, 11.3430



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.



38.2323, 19.6441, 4.7943



41.8595, 21.5078, 5.1923



39.8130, 23.7260, 2.4831



16.6373, 16.5378, 17.8365



20.6352, 10.5975, 2.7874



1.8491, 0.9456, 0.4315

Inverse Universe

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



38.2323, 19.6441, 4.7943



41.8595, 21.5078, 5.1923



31.9295, 37.4876, 91.9384



16.6373, 16.5378, 17.8365



20.6352, 10.5975, 2.7874



1.8491, 0.9456, 0.4315

Previews

White Background



This preview shows how the XYZ color 38.2319, 19.6428, 4.7940 looks on a white background.

Color Contrast Check

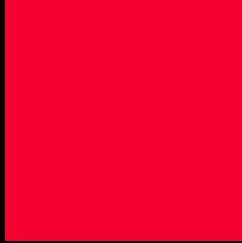
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.2319, 19.6428, 4.7940 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 38.2319, 19.6428, 4.7940

Background



This preview shows how black text looks on a background with the XYZ color 38.2319, 19.6428, 4.7940.



This preview shows how white text looks on a background with the XYZ color 38.2319, 19.6428,

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

38.2319, 19.6428, 4.7940

Protanopia

18.5389, 20.1020, 9.9242

Deuteranopia

20.4494, 20.1291, 4.1740



Tritanopia

37.5764, 19.7694, 1.8354

Trichromacy



Original Color

38.2319, 19.6428, 4.7940



Protanomaly

21.4883, 15.1112, 7.0944



Deuteranomaly

23.6213, 15.8700, 3.7377



Tritanomaly

37.5613, 19.5646, 2.3689

Monochromacy



Original Color

38.2319, 19.6428, 4.7940



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 38.2319, 19.6428, 4.7940 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 50) }
```

Border

The CSS property to change the border of an element to XYZ 38.2319, 19.6428, 4.7940 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, 50) }
```


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

```
.border{ border-color:rgb(245, 0, 50) }
```

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, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 50)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.2319, 19.6428, 4.7940 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, 50) }
```

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

```
.background{ background-color: rgb(245, 0,  
50) }
```

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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