

Converting Colors

XYZ(38.1298, 19.6019, 4.2565)

Have a look what the booklet for
XYZ(38.1298, 19.6019, 4.2565)
contains.

| | |
|--|----|
| XYZ(38.1298, 19.6019, 4.2565) | 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(38.1298, 19.6019,
4.2565)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F5002D |
| RGB | 245, 0, 45 |
| RGB Percent | 96%, 0%, 18% |
| CMY | 0.0392, 0.9998, 0.8235 |
| CMYK | 0.00, 1.00, 0.82, 0.04 |
| HSL | 349°, 100%, 48% |
| HSV | 349°, 100%, 96% |
| XYZ | 38.1298, 19.6019, 4.2565 |
| YIQ | 78.3850, 131.5750, 65.9350 |

Conversions

Conversions Part 2

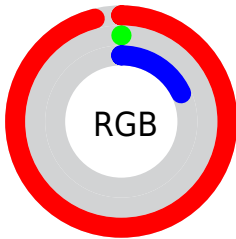
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 245, 0, 45 |
| Decimal | 16056365 |
| CIELab | 51.38, 78.31, 48.30 |
| CIELCh | 51, 92.010, 31.665 |
| Yxy | 19.6019, 0.6151, 0.3162 |
| Android (android.graphics.Color) | 4294246445 (0xFFFF5002D) |
| YUV | 78.3850, -16.4588, 146.1214 |
| Hunter-Lab | 44.2740, 76.2487, 25.2917 |

Details

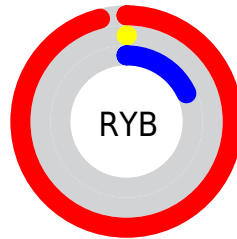
The XYZ color **38.1298, 19.6019, 4.2565** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **43.0855, 69.4777, 65.8214**, and the grayscale version is **7.3338, 7.7157, 8.4024**.

A 20% lighter version of the original color is **47.2640, 30.2171, 13.4666**, and **18.5904, 9.5837, 0.8700** is the 20% darker color. If you saturate the color by 10%, you get **38.1285, 19.6014, 4.2513**, and if you desaturate by 10%, it is **38.9485, 20.4708, 6.9003**.

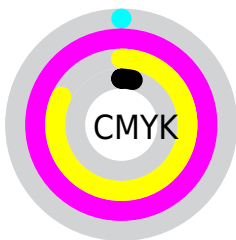
Distribution



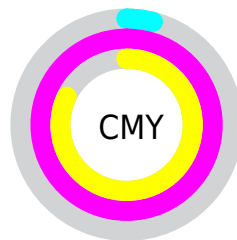
- Red (96%)
- Green (0%)
- Blue (18%)



- Red (96%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1298, 19.6019, 4.2565 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 38.1298, 19.6019, 4.2565 by changing the saturation by 10% instead.


 38.1298, 19.6019,
4.2565


 38.1298, 19.6019,
4.2565


329.4477,
249.7517, 151.0351


 26.2611, 12.1060,
1.7671


 71.6097, 42.7487,
14.5971

 17.1528, 6.8159,
0.4061


 93.9515, 59.1684,
23.2854

 10.4395, 3.3472,
0.0000


 120.5152, 79.3315,
34.8771

 5.7558, 1.3156,
0.0000

 151.6660,
103.6224, 49.7907

 2.7364, 0.1532,
0.0000

 187.7693,
132.4255, 68.4448

 1.0159, 0.0000,
0.0000

 229.1904,

 0.0000, 0.0000,

166.1251, 91.2578

0.0000

276.2948,
205.1058, 118.6484

■ 38.1298, 19.6019,
4.2565

■ 38.1298, 19.6019,
4.2565

■ 38.1285, 19.6014,
4.2513

■ 38.9485, 20.4708,
6.9003

■ 40.3969, 22.2703,
10.7660

■ 42.6262, 25.2720,
16.0001

■ 45.7324, 29.6407,
22.7198

■ 49.7975, 35.5152,
31.0289

■ 54.8937, 43.0170,
41.0219

■ 61.0861, 52.2555,
52.7855

■ 68.4343, 63.3302,
66.4005

■ 76.9939, 76.3333,
81.9427

Harmonies

Analogous

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



42.5257, 19.6019, 19.9030



38.1298, 19.6019, 4.2565



28.3616, 19.6019, 0.5318

Triad

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



38.1298, 19.6019, 4.2565



6.9878, 19.6019, 5.1887



19.1504, 19.6019, 122.7456

Complementary

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



38.1298, 19.6019, 4.2565



43.0855, 69.4777, 65.8214

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.



11.4275, 19.6019, 104.3201



38.1298, 19.6019, 4.2565



5.9451, 19.6019, 22.8511

Square

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



38.1298, 19.6019, 4.2565



10.7961, 19.6019, 0.7188



7.2589, 19.6019, 60.5646



29.5575, 19.6019, 100.1328

Rectangle

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



38.1298, 19.6019, 4.2565



21.3172, 19.6019, 0.0000



7.2589, 19.6019, 60.5646



16.1805, 19.6019, 121.1027

Sweetspot

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



38.1302, 19.6032, 4.2568



66.8339, 57.1297, 57.6851



39.2500, 18.3313, 87.8551



13.6606, 11.2635, 11.1316



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.



38.1302, 19.6032, 4.2568



41.7487, 21.4635, 4.6089



40.0747, 24.2494, 2.5702



16.6233, 16.5322, 17.7628



20.5771, 10.5743, 2.4814



1.8420, 0.9428, 0.3943

Inverse Universe

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



38.1302, 19.6032, 4.2568



41.7487, 21.4635, 4.6089



31.1431, 35.9150, 91.6763



16.6233, 16.5322, 17.7628



20.5771, 10.5743, 2.4814



1.8420, 0.9428, 0.3943

Previews

White Background



This preview shows how the XYZ color 38.1298, 19.6019, 4.2565 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 38.1298, 19.6019, 4.2565 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 38.1298, 19.6019, 4.2565

Background



This preview shows how black text looks on a background with the XYZ color 38.1298, 19.6019, 4.2565.



This preview shows how white text looks on a background with the XYZ color 38.1298, 19.6019,

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

38.1298, 19.6019, 4.2565

Protanopia

18.4983, 20.1045, 8.8668

Deuteranopia

20.3536, 20.0907, 3.6693



Tritanopia

37.5951, 19.8069, 1.8416

Trichromacy



Original Color

38.1298, 19.6019, 4.2565



Protanomaly

21.5700, 15.1699, 6.3486



Deuteranomaly

23.5158, 15.8278, 3.1822



Tritanomaly

37.5588, 19.5846, 2.2908

Monochromacy



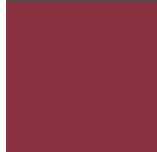
Original Color

38.1298, 19.6019, 4.2565



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.7714, 8.1635, 6.0568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1298, 19.6019, 4.2565 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, 45)` looks like.

```
.text, #text, p{  
  color:rgb(245, 0, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 45) }
```

Border

The CSS property to change the border of an element to XYZ 38.1298, 19.6019, 4.2565 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, 45) }
```


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

```
.border{ border-color:rgb(245, 0, 45) }
```

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, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 45);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 45)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.1298, 19.6019, 4.2565 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, 45) }
```

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

```
.background{ background-color: rgb(245, 0,  
45) }
```

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