

Converting Colors

XYZ(38.0542, 19.6770, 4.1315)

Have a look what the booklet for
XYZ(38.0542, 19.6770, 4.1315)
contains.

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Color

**XYZ(38.1868, 19.7463,
4.1816)**

Conversions

Conversions Part 1

Format	Color
Hex	F5072C
RGB	245, 7, 44
RGB Percent	96%, 3%, 17%
CMY	0.0392, 0.9723, 0.8275
CMYK	0.00, 0.97, 0.82, 0.04
HSL	351°, 94%, 49%
HSV	351°, 97%, 96%
XYZ	38.1868, 19.7463, 4.1816
YIQ	82.3800, 129.9710, 61.9630

Conversions

Conversions Part 2

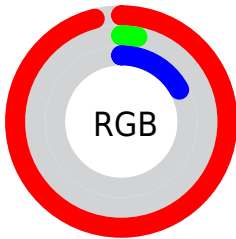
Format	Color
RYB	245, 7, 44
Decimal	16058156
CIELab	51.55, 77.78, 48.99
CIELCh	52, 91.925, 32.202
Yxy	19.7463, 0.6148, 0.3179
Android (android.graphics.Color)	4294248236 (0xFFFF5072C)
YUV	82.3800, -18.9213, 142.6177
Hunter-Lab	44.4368, 75.6297, 25.5264

Details

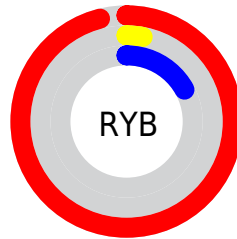
The XYZ color **38.1868, 19.7463, 4.1816** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **44.1337, 69.9072, 70.8834**, and the grayscale version is **8.1222, 8.5452, 9.3058**.

A 20% lighter version of the original color is **47.3112, 30.3811, 13.2681**, and **18.5904, 9.5837, 0.8700** is the 20% darker color. If you saturate the color by 10%, you get **38.0063, 19.5525, 3.6072**, and if you desaturate by 10%, it is **39.1062, 20.8002, 6.9089**.

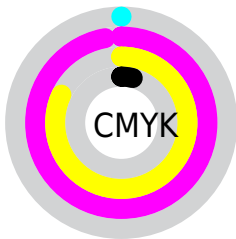
Distribution



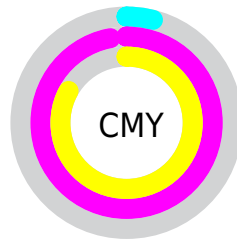
- Red (96%)
- Green (3%)
- Blue (17%)



- Red (96%)
- Yellow (3%)
- Blue (17%)



- Cyan (0%)
- Magenta (97%)
- Yellow (82%)
- Black (4%)





- Cyan (4%)
- Magenta (97%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1868, 19.7463, 4.1816 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 38.1868, 19.7463, 4.1816 by changing the saturation by 10% instead.


 38.1868, 19.7463,
4.1816


 38.1868, 19.7463,
4.1816


329.6876,
250.5384, 150.2230


 26.3056, 12.2108,
1.7255


 71.6964, 42.9914,
14.4265

 17.1863, 6.8874,
0.3781


 94.0555, 59.4698,
23.0523

 10.4635, 3.3918,
0.0000


 120.6380, 79.6979,
34.5718

 5.7720, 1.3395,
0.0000

 151.8091,
104.0602, 49.4035

 2.7463, 0.1715,
0.0000

 187.9343,
132.9409, 67.9659

 1.0210, 0.0000,
0.0000

 229.3788,

 0.0000, 0.0000,

166.7246, 90.6776

0.0000

276.5082,
205.7956, 117.9571

■ 38.1868, 19.7463,
4.1816

■ 38.1868, 19.7463,
4.1816

■ 38.0063, 19.5525,
3.6072

■ 39.1062, 20.8002,
6.9089

■ 40.7286, 22.9092,
10.9519

■ 43.1724, 26.2753,
16.4566

■ 46.5310, 31.0555,
23.5479

■ 50.8853, 37.3839,
32.3372

■ 56.3070, 45.3789,
42.9255

■ 62.8610, 55.1472,
55.4058

■ 70.6070, 66.7868,
69.8648

■ 79.6008, 80.3884,
86.3838

Harmonies

Analogous

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



42.7251, 19.7463, 19.6033



38.1868, 19.7463, 4.1816



28.3391, 19.7463, 0.5287

Triad

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



38.1868, 19.7463, 4.1816



7.0262, 19.7463, 5.4249



19.4595, 19.7463, 123.0467

Complementary

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



38.1868, 19.7463, 4.1816



44.1337, 69.9072, 70.8834

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.



11.6387, 19.7463, 105.2978



38.1868, 19.7463, 4.1816



6.0196, 19.7463, 23.5160

Square

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



38.1868, 19.7463, 4.1816



10.7996, 19.7463, 0.7755



7.3869, 19.7463, 61.6420



29.9246, 19.7463, 99.7576

Rectangle

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



38.1868, 19.7463, 4.1816



21.2851, 19.7463, 0.0000



7.3869, 19.7463, 61.6420



16.4581, 19.7463, 121.6657

Sweetspot

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



38.1872, 19.7476, 4.1819



67.3472, 58.1574, 57.8532



41.8297, 19.7740, 87.9976



13.7478, 11.4527, 11.1148



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.



38.1872, 19.7476, 4.1819



41.6160, 21.4104, 3.9098



41.0526, 26.1437, 3.0854



16.6040, 16.5244, 17.6612



20.5067, 10.5461, 2.1105



1.8328, 0.9391, 0.3461

Inverse Universe

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



38.1872, 19.7476, 4.1819



41.6160, 21.4104, 3.9098



30.1493, 33.7972, 91.3200



16.6040, 16.5244, 17.6612



20.5067, 10.5461, 2.1105



1.8328, 0.9391, 0.3461

Previews

White Background



This preview shows how the XYZ color 38.1868, 19.7463, 4.1816 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 38.1868, 19.7463, 4.1816 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 38.1868, 19.7463, 4.1816

Background



This preview shows how black text looks on a background with the XYZ color 38.1868, 19.7463, 4.1816.



This preview shows how white text looks on a background with the XYZ color 38.1868, 19.7463,

4.1816.

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

38.1868, 19.7463, 4.1816

Protanopia

18.4352, 20.0792, 8.5343

Deuteranopia

20.5279, 20.1829, 3.5728



Tritanopia

37.5951, 19.8069, 1.8416

Trichromacy



Original Color

38.1868, 19.7463, 4.1816



Protanomaly

21.6625, 15.4412, 6.1137



Deuteranomaly

23.9450, 16.3613, 3.1243



Tritanomaly

37.6022, 19.6714, 2.3053

Monochromacy



Original Color

38.1868, 19.7463, 4.1816



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.3941, 8.8125, 6.4639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1868, 19.7463, 4.1816 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, 7, 44)` looks like.

```
.text, #text, p{  
    color:rgb(245, 7, 44)  
}
```

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, 7, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 7, 44) }
```

Border

The CSS property to change the border of an element to XYZ 38.1868, 19.7463, 4.1816 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, 7, 44) }
```


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

```
.border{ border-color:rgb(245, 7, 44) }
```

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

Here you see how a box with a 4 pixel rgb(245, 7, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 7, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 7, 44);  
box-shadow:4px 4px 4px 4px rgb(245, 7, 44)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.1868, 19.7463, 4.1816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 7, 44) }
```

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

```
.background{ background-color: rgb(245, 7,  
44) }
```

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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