

Converting Colors

XYZ(37.9941, 19.5396, 3.9056)

Have a look what the booklet for
XYZ(37.9941, 19.5396, 3.9056)
contains.

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Color

**XYZ(38.0564, 19.5726,
3.8699)**

Conversions

Conversions Part 1

Format	Color
Hex	F50029
RGB	245, 0, 41
RGB Percent	96%, 0%, 16%
CMY	0.0392, 0.9997, 0.8392
CMYK	0.00, 1.00, 0.83, 0.04
HSL	350°, 100%, 48%
HSV	350°, 100%, 96%
XYZ	38.0564, 19.5726, 3.8699
YIQ	77.9290, 132.8590, 64.6910

Conversions

Conversions Part 2

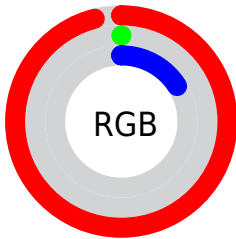
Format	Color
R_{YB}	245, 0, 41
Decimal	16056361
CIE Lab	51.35, 78.22, 50.36
CIE LCh	51, 93.032, 32.776
Yxy	19.5726, 0.6188, 0.3183
Android (android.graphics.Color)	4294246441 (0xFFFF50029)
YUV	77.9290, -18.2060, 146.5213
Hunter-Lab	44.2409, 76.1255, 25.7824

Details

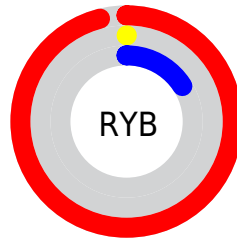
The XYZ color **38.0564, 19.5726, 3.8699** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **43.5599, 69.6675, 68.3195**, and the grayscale version is **7.2507, 7.6283, 8.3073**.

A 20% lighter version of the original color is **47.0937, 30.1490, 12.5697**, and **18.5904, 9.5837, 0.8700** is the 20% darker color. If you saturate the color by 10%, you get **38.0551, 19.5720, 3.8648**, and if you desaturate by 10%, it is **38.8476, 20.4305, 6.3684**.

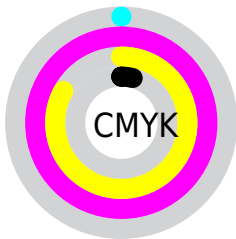
Distribution



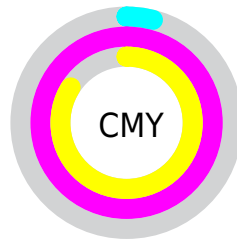
- Red (96%)
- Green (0%)
- Blue (16%)



- Red (96%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0564, 19.5726, 3.8699 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 38.0564, 19.5726, 3.8699 by changing the saturation by 10% instead.


 38.0564, 19.5726,
3.8699


 38.0564, 19.5726,
3.8699


329.1385,
249.5919, 146.7681


 26.2039, 12.0848,
1.5542


 71.4979, 42.6994,
13.7086


 17.1097, 6.8014,
0.2579


 93.8176, 59.1072,
22.0687

 10.4085, 3.3382,
0.0000


 120.3571, 79.2571,
33.2807

 5.7350, 1.3108,
0.0000

 151.4817,
103.5335, 47.7631

 2.7237, 0.1495,
0.0000

 187.5568,
132.3208, 65.9346

 1.0094, 0.0000,
0.0000

 228.9477,

 0.0000, 0.0000,

166.0033, 88.2135

0.0000

276.0198,
204.9656, 115.0185

■ 38.0564, 19.5726,
3.8699

■ 38.0564, 19.5726,
3.8699

■ 38.0551, 19.5720,
3.8648

■ 38.8476, 20.4305,
6.3684

■ 40.2728, 22.2209,
10.1115

■ 42.4848, 25.2158,
15.2547

■ 45.5813, 29.5808,
21.9224

■ 49.6452, 35.4549,
30.2245

■ 54.7497, 42.9603,
40.2607

■ 60.9608, 52.2065,
52.1226

■ 68.3391, 63.2935,
65.8953

■ 76.9407, 76.3136,
81.6585

Harmonies

Analogous

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



42.7954, 19.5726, 18.9251



38.0564, 19.5726, 3.8699



28.0430, 19.5726, 0.4061

Triad

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



38.0564, 19.5726, 3.8699



6.8009, 19.5726, 5.4180



19.4830, 19.5726, 124.3336

Complementary

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



38.0564, 19.5726, 3.8699



43.5599, 69.6675, 68.3195

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.



11.5623, 19.5726, 107.0135



38.0564, 19.5726, 3.8699



5.8471, 19.5726, 23.8899

Square

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



38.0564, 19.5726, 3.8699



10.5035, 19.5726, 0.7211



7.2535, 19.5726, 62.8062



30.0624, 19.5726, 99.9014

Rectangle

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



38.0564, 19.5726, 3.8699



20.9439, 19.5726, 0.0000



7.2535, 19.5726, 62.8062



16.4437, 19.5726, 123.2143

Sweetspot

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



38.0568, 19.5739, 3.8702



66.6954, 57.0743, 56.9559



40.3268, 18.8864, 87.9054



13.6288, 11.2508, 10.9642



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.



38.0568, 19.5739, 3.8702



41.6690, 21.4316, 4.1892



40.3543, 24.8086, 2.6636



16.6121, 16.5277, 17.7039



20.5349, 10.5574, 2.2594



1.8367, 0.9406, 0.3662

Inverse Universe

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



38.0568, 19.5739, 3.8702



41.6690, 21.4316, 4.1892



30.3811, 34.3909, 91.4223



16.6121, 16.5277, 17.7039



20.5349, 10.5574, 2.2594



1.8367, 0.9406, 0.3662

Previews

White Background



This preview shows how the XYZ color 38.0564, 19.5726, 3.8699 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 38.0564, 19.5726, 3.8699 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 38.0564, 19.5726, 3.8699

Background



This preview shows how black text looks on a background with the XYZ color 38.0564, 19.5726, 3.8699.



This preview shows how white text looks on a background with the XYZ color 38.0564, 19.5726,

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

38.0564, 19.5726, 3.8699

Protanopia

18.5075, 20.1270, 8.0637

Deuteranopia

20.4623, 20.1567, 3.2276



Tritanopia

37.5951, 19.8069, 1.8416

Trichromacy



Original Color

38.0564, 19.5726, 3.8699



Protanomaly

21.4390, 15.1175, 5.6589



Deuteranomaly

23.6672, 15.9169, 2.6890



Tritanomaly

37.5515, 19.5817, 2.2524

Monochromacy



Original Color

38.0564, 19.5726, 3.8699



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.7422, 8.1518, 5.9029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0564, 19.5726, 3.8699 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 41) }
```

Border

The CSS property to change the border of an element to XYZ 38.0564, 19.5726, 3.8699 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, 41) }
```


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

```
.border{ border-color:rgb(245, 0, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 41);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 41)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.0564, 19.5726, 3.8699 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, 41) }
```

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

```
.background{ background-color: rgb(245, 0,  
41) }
```

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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