

Converting Colors

XYZ(37.9689, 19.5295, 3.7728)

Have a look what the booklet for
XYZ(37.9689, 19.5295, 3.7728)
contains.

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Color

**XYZ(38.0392, 19.5657,
3.7791)**

Conversions

Conversions Part 1

Format	Color
Hex	F50028
RGB	245, 0, 40
RGB Percent	96%, 0%, 16%
CMY	0.0392, 0.9997, 0.8431
CMYK	0.00, 1.00, 0.84, 0.04
HSL	350°, 100%, 48%
HSV	350°, 100%, 96%
XYZ	38.0392, 19.5657, 3.7791
YIQ	77.8150, 133.1800, 64.3800

Conversions

Conversions Part 2

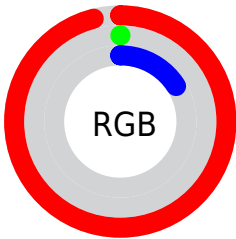
Format	Color
RYB	245, 0, 40
Decimal	16056360
CIELab	51.34, 78.20, 50.87
CIELCh	51, 93.289, 33.044
Yxy	19.5657, 0.6197, 0.3187
Android (android.graphics.Color)	4294246440 (0xFFFF50028)
YUV	77.8150, -18.6428, 146.6212
Hunter-Lab	44.2331, 76.0968, 25.8977

Details

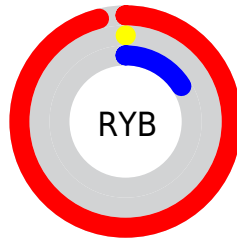
The XYZ color **38.0392, 19.5657, 3.7791** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **43.6803, 69.7157, 68.9530**, and the grayscale version is **7.2298, 7.6063, 8.2833**.

A 20% lighter version of the original color is **47.0525, 30.1325, 12.3530**, and **18.5904, 9.5837, 0.8700** is the 20% darker color. If you saturate the color by 10%, you get **38.0380, 19.5652, 3.7742**, and if you desaturate by 10%, it is **38.8234, 20.4208, 6.2407**.

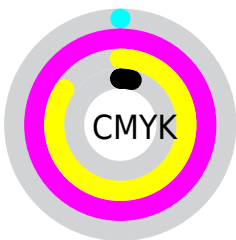
Distribution



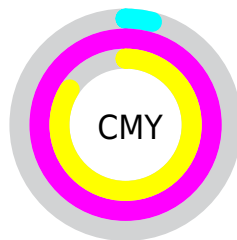
- Red (96%)
- Green (0%)
- Blue (16%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (84%)
- Black (4%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0392, 19.5657, 3.7791 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 38.0392, 19.5657, 3.7791 by changing the saturation by 10% instead.


 38.0392, 19.5657,
3.7791


 38.0392, 19.5657,
3.7791


329.0660,
249.5542, 145.7375


 26.1905, 12.0797,
1.5050


 71.4717, 42.6878,
13.4970


 17.0996, 6.7980,
0.2216


 93.7862, 59.0928,
21.7779

 10.4013, 3.3361,
0.0000


 120.3200, 79.2396,
32.8980

 5.7301, 1.3096,
0.0000

 151.4385,
103.5125, 47.2760

 2.7208, 0.1486,
0.0000

 187.5070,
132.2961, 65.3305

 1.0079, 0.0000,
0.0000

 228.8908,

 0.0000, 0.0000,

165.9746, 87.4798

0.0000

275.9554,
204.9325, 114.1426

■ 38.0392, 19.5657,
3.7791

■ 38.0392, 19.5657,
3.7791

■ 38.0380, 19.5652,
3.7742

■ 38.8234, 20.4208,
6.2407

■ 40.2426, 22.2087,
9.9524

■ 42.4501, 25.2018,
15.0720

■ 45.5439, 29.5656,
21.7257

■ 49.6072, 35.4395,
30.0250

■ 54.7135, 42.9455,
40.0712

■ 60.9291, 52.1934,
51.9568

■ 68.3148, 63.2832,
65.7683

■ 76.9267, 76.3074,
81.5861

Harmonies

Analogous

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



42.8624, 19.5657, 18.6914



38.0392, 19.5657, 3.7791



27.9660, 19.5657, 0.3753

Triad

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



38.0392, 19.5657, 3.7791



6.7557, 19.5657, 5.4751



19.5652, 19.5657, 124.7268

Complementary

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



38.0392, 19.5657, 3.7791



43.6803, 69.7157, 68.9530

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.



11.5954, 19.5657, 107.6812



38.0392, 19.5657, 3.7791



5.8233, 19.5657, 24.1488

Square

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



38.0392, 19.5657, 3.7791



10.4329, 19.5657, 0.7217



7.2522, 19.5657, 63.3636



30.1871, 19.5657, 99.8474

Rectangle

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



38.0392, 19.5657, 3.7791



20.8536, 19.5657, 0.0000



7.2522, 19.5657, 63.3636



16.5086, 19.5657, 123.7371

Sweetspot

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



38.0396, 19.5670, 3.7794



66.6610, 57.0605, 56.7748



41.4324, 19.4563, 87.9573



13.6210, 11.2476, 10.9227



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.



38.0396, 19.5670, 3.7794



41.6504, 21.4241, 4.0909



40.6517, 25.4034, 2.7627



16.6093, 16.5266, 17.6892



20.5250, 10.5534, 2.2071



1.8353, 0.9401, 0.3593

Inverse Universe

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



38.0396, 19.5670, 3.7794



41.6504, 21.4241, 4.0909



29.6424, 32.9135, 91.1762



16.6093, 16.5266, 17.6892



20.5250, 10.5534, 2.2071



1.8353, 0.9401, 0.3593

Previews

White Background



This preview shows how the XYZ color 38.0392, 19.5657, 3.7791 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 38.0392, 19.5657, 3.7791 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 38.0392, 19.5657, 3.7791

Background



This preview shows how black text looks on a background with the XYZ color 38.0392, 19.5657, 3.7791.



This preview shows how white text looks on a background with the XYZ color 38.0392, 19.5657,

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

38.0392, 19.5657, 3.7791

Protanopia

18.4496, 20.1038, 7.7585

Deuteranopia

20.3263, 19.9148, 3.0892



Tritanopia

37.5951, 19.8069, 1.8416

Trichromacy



Original Color

38.0392, 19.5657, 3.7791

Protanomaly

21.3901, 15.0979, 5.4012

Deuteranomaly

23.5799, 15.7743, 2.5610

Tritanomaly

37.5515, 19.5817, 2.2524

Monochromacy



Original Color

38.0392, 19.5657, 3.7791

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

12.7135, 8.1403, 5.7517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0392, 19.5657, 3.7791 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 40) }
```

Border

The CSS property to change the border of an element to XYZ 38.0392, 19.5657, 3.7791 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, 40) }
```


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

```
.border{ border-color:rgb(245, 0, 40) }
```

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, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 40)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.0392, 19.5657, 3.7791 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, 40) }
```

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

```
.background{ background-color: rgb(245, 0,  
40) }
```

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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