

Converting Colors

XYZ(38.4819, 19.8381, 1.8040)

Have a look what the booklet for
XYZ(38.4819, 19.8381, 1.8040)
contains.

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Color

**XYZ(38.3578, 19.7742,
1.7951)**

Conversions

Conversions Part 1

Format	Color
Hex	F70000
RGB	247, 0, 0
RGB Percent	97%, 0%, 0%
CMY	0.0314, 0.9997, 1.0000
CMYK	0.00, 1.00, 1.00, 0.03
HSL	0°, 100%, 48%
HSV	0°, 100%, 97%
XYZ	38.3578, 19.7742, 1.7951
YIQ	73.8530, 147.2120, 52.3640

Conversions

Conversions Part 2

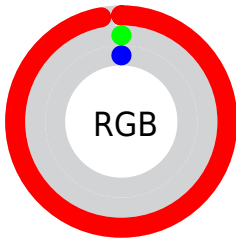
Format	Color
RYB	247, 0, 0
Decimal	16187392
CIELab	51.58, 78.20, 65.62
CIELCh	52, 102.080, 40.000
Yxy	19.7742, 0.6401, 0.3300
Android (android.graphics.Color)	4294377472 (0xFFFF70000)
YUV	73.8530, -36.4095, 151.8499
Hunter-Lab	44.4682, 76.1529, 28.7343

Details

The XYZ color **38.3578, 19.7742, 1.7951** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **50.0282, 73.1949, 99.4863**, and the grayscale version is **6.5337, 6.8740, 7.4858**.

A 20% lighter version of the original color is **46.0959, 29.7499, 7.3158**, and **18.8224, 9.7033, 0.8809** is the 20% darker color. If you saturate the color by 10%, you get **38.3582, 19.7755, 1.7953**, and if you desaturate by 10%, it is **38.8723, 20.5280, 2.8163**.

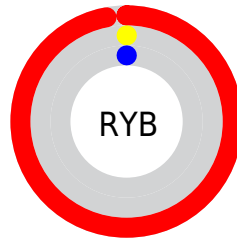
Distribution



Red (97%)

Green (0%)

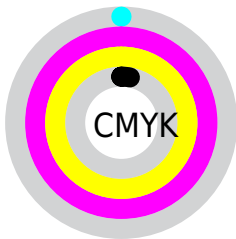
Blue (0%)



Red (97%)

Yellow (0%)

Blue (0%)

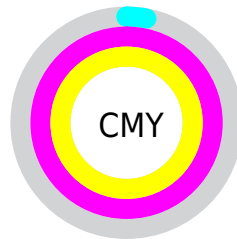


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3578, 19.7742, 1.7951 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 38.3578, 19.7742, 1.7951 by changing the saturation by 10% instead.

 38.3578, 19.7742,
1.7951


 38.3578, 19.7742,
1.7951


 330.4067,
250.6901, 119.1093


 26.4390, 12.2310,
0.4247


 71.9566, 43.0383,
8.4727

 17.2867, 6.9012,
0.0000


 94.3673, 59.5280,
14.7113

 10.5357, 3.4004,
0.0000


 121.0059, 79.7686,
23.4412

 5.8205, 1.3442,
0.0000

 152.2380,
104.1446, 35.0810

 2.7759, 0.1750,
0.0000

 188.4287,
133.0404, 50.0492


 1.0364, 0.0000,
0.0000


 229.9435,


 0.0000, 0.0000,


166.8403, 68.7643


0.0000


 277.1477,
205.9287, 91.6448


 38.3578, 19.7742,
1.7951


 38.3578, 19.7742,
1.7951


 38.3582, 19.7755,
1.7953

 38.8723, 20.5280,
2.8163

 40.0377, 22.2340,
5.1316

 42.0555, 25.1871,
9.1413

 45.0468, 29.5646,
15.0866

 49.1134, 35.5154,
23.1700

■ 54.3442, 43.1696,
33.5683

■ 60.8189, 52.6438,
46.4401

■ 68.6102, 64.0444,
61.9300

■ 77.7852, 77.4695,
80.1714

Harmonies

Analogous

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



45.7415, 19.7742, 13.1232



38.3578, 19.7742, 1.7951



26.3950, 19.7742, 0.0000

Triad

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



38.3578, 19.7742, 1.7951



5.6705, 19.7742, 7.3966



22.4390, 19.7742, 139.1678

Complementary

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



38.3578, 19.7742, 1.7951



50.0282, 73.1949, 99.4863

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.



12.8145, 19.7742, 130.4963



38.3578, 19.7742, 1.7951



5.2789, 19.7742, 32.9283

Square

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



38.3578, 19.7742, 1.7951



8.7400, 19.7742, 0.7505



7.3583, 19.7742, 82.2341



34.5714, 19.7742, 100.4798

Rectangle

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



38.3578, 19.7742, 1.7951



18.7947, 19.7742, 0.0000



7.3583, 19.7742, 82.2341



18.7949, 19.7742, 142.1725

Sweetspot

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



38.3582, 19.7755, 1.7954



65.3504, 56.5430, 49.8527



55.1458, 26.4894, 90.2014



13.3230, 11.1300, 9.3492



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.



38.3582, 19.7755, 1.7954



41.2408, 21.2615, 1.9303



45.5026, 34.0642, 4.1768



16.4996, 16.4833, 17.1095



20.2867, 10.4590, 0.9496



1.7831, 0.9195, 0.0835

Inverse Universe

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



50.0282, 73.1949, 99.4863



53.7877, 78.6954, 106.9626



23.9335, 21.0056, 90.7880



16.9964, 18.7570, 21.2672



26.4586, 38.7111, 52.6155



2.3256, 3.4026, 4.6244

Previews

White Background



This preview shows how the XYZ color 38.3578, 19.7742, 1.7951 looks on a white background.

Color Contrast Check

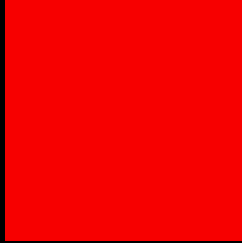
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.3578, 19.7742, 1.7951 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 38.3578, 19.7742, 1.7951

Background



This preview shows how black text looks on a background with the XYZ color 38.3578, 19.7742, 1.7951.



This preview shows how white text looks on a background with the XYZ color 38.3578, 19.7742,

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

38.3578, 19.7742, 1.7951

Protanopia

18.4095, 20.3470, 4.3236

Deuteranopia

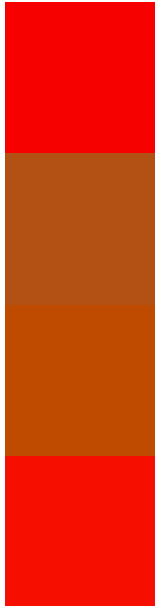
20.3831, 20.1250, 2.8102



Tritanopia

37.9626, 20.0253, 1.8644

Trichromacy



Original Color

38.3578, 19.7742, 1.7951

Protanomaly

21.5853, 15.3715, 2.4912

Deuteranomaly

23.7513, 15.9793, 1.8325

Tritanomaly

38.1769, 19.9345, 1.8356

Monochromacy



Original Color

38.3578, 19.7742, 1.7951

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

11.8461, 7.5566, 3.5235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3578, 19.7742, 1.7951 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(247, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 0)  
}
```

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(247, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.3578, 19.7742, 1.7951 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(247, 0, 0) }
```


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

```
.border{ border-color:rgb(247, 0, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(247, 0, 0); box-shadow:4px  
4px 4px 4px rgb(247, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3578, 19.7742, 1.7951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 0) }
```

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

```
.background{ background-color: rgb(247, 0,  
0) }
```

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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