

Converting Colors

XYZ(38.6673, 19.9317, 1.9288)

Have a look what the booklet for
XYZ(38.6673, 19.9317, 1.9288)
contains.

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Color

**XYZ(38.7333, 19.9652,
1.9271)**

Conversions

Conversions Part 1

Format	Color
Hex	F80004
RGB	248, 0, 4
RGB Percent	97%, 0%, 2%
CMY	0.0275, 0.9997, 0.9843
CMYK	0.00, 1.00, 0.98, 0.03
HSL	359°, 100%, 49%
HSV	359°, 100%, 97%
XYZ	38.7333, 19.9652, 1.9271
YIQ	74.6080, 146.5240, 53.8200

Conversions

Conversions Part 2

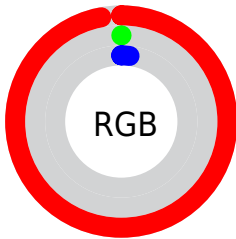
Format	Color
RYB	248, 0, 4
Decimal	16252932
CIELab	51.80, 78.46, 64.77
CIELCh	52, 101.745, 39.539
Yxy	19.9652, 0.6389, 0.3293
Android (android.graphics.Color)	4294443012 (0xFFFF80004)
YUV	74.6080, -34.8097, 152.0648
Hunter-Lab	44.6824, 76.5398, 28.7206

Details

The XYZ color **38.7333, 19.9652, 1.9271** 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 **49.9066, 73.6701, 97.2271**, and the grayscale version is **6.6659, 7.0131, 7.6372**.

A 20% lighter version of the original color is **46.1478, 29.7707, 7.5890**, and **19.0561, 9.8238, 0.8918** is the 20% darker color. If you saturate the color by 10%, you get **38.7326, 19.9649, 1.9252**, and if you desaturate by 10%, it is **39.2704, 20.7316, 3.0563**.

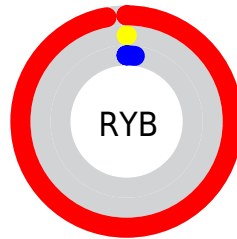
Distribution



Red (97%)

Green (0%)

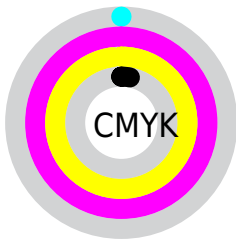
Blue (2%)



Red (97%)

Yellow (0%)

Blue (2%)

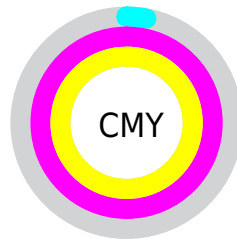


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (3%)



Cyan (3%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7333, 19.9652, 1.9271 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 38.7333, 19.9652, 1.9271 by changing the saturation by 10% instead.

 38.7333, 19.9652,
1.9271


 38.7333, 19.9652,
1.9271

 331.9820,
251.7267, 121.2343


 26.7321, 12.3698,
0.5099


 72.5274, 43.3588,
8.8405


 17.5077, 6.9960,
0.0000


 95.0510, 59.9258,
15.2415


 10.6946, 3.4596,
0.0000


 121.8128, 80.2521,
24.1633

 5.9277, 1.3761,
0.0000

 153.1781,
104.7220, 36.0245

 2.8414, 0.1990,
0.0000

 189.5124,
133.7201, 51.2437

 1.0704, 0.0000,
0.0000

 231.1809,


 0.0002, 0.0000,


167.6306, 70.2393


0.0000


 278.5489,
206.8380, 93.4300


 0.0000, 0.0000,
0.0000


 38.7333, 19.9652,
1.9271


 38.7333, 19.9652,
1.9271


 38.7326, 19.9649,
1.9252

 39.2704, 20.7316,
3.0563

 40.4758, 22.4644,
5.5486

 42.5384, 25.4552,
9.7335

 45.5779, 29.8823,
15.8393

 49.6950, 35.8952,
24.0592

■ 54.9777, 43.6248,
34.5628

■ 61.5052, 53.1883,
47.5027

■ 69.3497, 64.6927,
63.0180

■ 78.5778, 78.2367,
81.2377

Harmonies

Analogous

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



46.0025, 19.9652, 13.6230



38.7333, 19.9652, 1.9271



26.7824, 19.9652, 0.0000

Triad

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



38.7333, 19.9652, 1.9271



5.8050, 19.9652, 7.3209



22.4543, 19.9652, 139.5200

Complementary

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



38.7333, 19.9652, 1.9271



49.9066, 73.6701, 97.2271

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.



12.8568, 19.9652, 130.0843



38.7333, 19.9652, 1.9271



5.3729, 19.9652, 32.5685

Square

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



38.7333, 19.9652, 1.9271



8.9484, 19.9652, 0.7580



7.4277, 19.9652, 81.5986



34.5978, 19.9652, 101.4752

Rectangle

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



38.7333, 19.9652, 1.9271



19.1361, 19.9652, 0.0000



7.4277, 19.9652, 81.5986



18.8174, 19.9652, 142.2421

Sweetspot

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



38.7337, 19.9665, 1.9274



65.4692, 56.5838, 50.4989



54.2059, 25.9880, 90.9654



13.3498, 11.1392, 9.4949



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.



38.7337, 19.9665, 1.9274



41.2622, 21.2689, 2.0468



45.4159, 33.3654, 4.0484



17.2558, 17.2297, 17.9369



20.9283, 10.7871, 1.0651



1.9421, 1.0006, 0.1187

Inverse Universe

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



38.7337, 19.9665, 1.9274



41.2622, 21.2689, 2.0468



24.6846, 22.2590, 91.8016



17.2558, 17.2297, 17.9369



20.9283, 10.7871, 1.0651



1.9421, 1.0006, 0.1187

Previews

White Background



This preview shows how the XYZ color 38.7333, 19.9652, 1.9271 looks on a white background.

Color Contrast Check

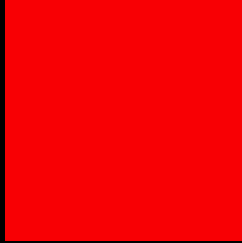
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.7333, 19.9652, 1.9271 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 38.7333, 19.9652, 1.9271

Background



This preview shows how black text looks on a background with the XYZ color 38.7333, 19.9652, 1.9271.



This preview shows how white text looks on a background with the XYZ color 38.7333, 19.9652,

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

38.7333, 19.9652, 1.9271

Protanopia

18.4095, 20.3470, 4.3236

Deuteranopia

20.6974, 20.4628, 2.8588



Tritanopia

38.3124, 20.2056, 1.8808

Trichromacy



Original Color

38.7333, 19.9652, 1.9271

Protanomaly

21.6039, 15.3790, 2.5888

Deuteranomaly

24.0758, 16.2474, 1.8959

Tritanomaly

38.5341, 20.1180, 1.8809

Monochromacy



Original Color

38.7333, 19.9652, 1.9271

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

12.0926, 7.7389, 3.7621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7333, 19.9652, 1.9271 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(248, 0, 4)` looks like.

```
.text, #text, p{  
    color:rgb(248, 0, 4)  
}
```

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(248, 0, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 0, 4) }
```

Border

The CSS property to change the border of an element to XYZ 38.7333, 19.9652, 1.9271 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(248, 0, 4) }
```


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

```
.border{ border-color:rgb(248, 0, 4) }
```

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

Here you see how a box with a 4 pixel rgb(248, 0, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 0, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(248, 0, 4); box-shadow:4px  
4px 4px 4px rgb(248, 0, 4) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7333, 19.9652, 1.9271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 0, 4) }
```

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

```
.background{ background-color: rgb(248, 0,  
4) }
```

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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