

Converting Colors

XYZ(38.7331, 19.9999, 1.8189)

Have a look what the booklet for
XYZ(38.7331, 19.9999, 1.8189)
contains.

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Color

**XYZ(38.7331, 19.9999,
1.8189)**

Conversions

Conversions Part 1

Format	Color
Hex	F80200
RGB	248, 2, 0
RGB Percent	97%, 1%, 0%
CMY	0.0275, 0.9919, 1.0000
CMYK	0.00, 0.99, 1.00, 0.03
HSL	1°, 100%, 49%
HSV	1°, 100%, 97%
XYZ	38.7331, 19.9999, 1.8189
YIQ	75.3260, 147.2580, 51.5300

Conversions

Conversions Part 2

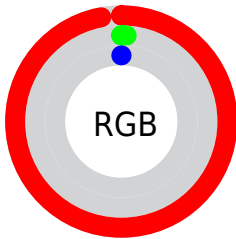
Format	Color
R_{YB}	248, 2, 0
Decimal	16253440
CIE Lab	51.84, 78.29, 65.83
CIE LCh	52, 102.295, 40.059
Yxy	19.9999, 0.6397, 0.3303
Android (android.graphics.Color)	4294443520 (0xFFFF80200)
YUV	75.3260, -37.1357, 151.4351
Hunter-Lab	44.7212, 76.3368, 28.8934

Details

The XYZ color **38.7331, 19.9999, 1.8189** 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 **49.8780, 72.6469, 100.1996**, and the grayscale version is **6.8001, 7.1543, 7.7910**.

A 20% lighter version of the original color is **46.0959, 29.7499, 7.3158**, and **19.0561, 9.8238, 0.8918** is the 20% darker color. If you saturate the color by 10%, you get **38.7335, 20.0012, 1.8191**, and if you desaturate by 10%, it is **39.2686, 20.7941, 2.8525**.

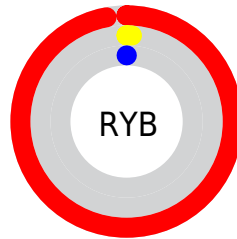
Distribution



Red (97%)

Green (1%)

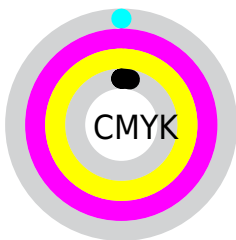
Blue (0%)



Red (97%)

Yellow (1%)

Blue (0%)

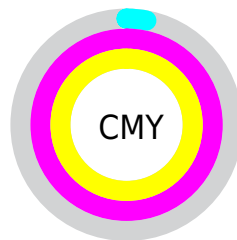


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (99%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7331, 19.9999, 1.8189 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 38.7331, 19.9999, 1.8189 by changing the saturation by 10% instead.


 38.7331, 19.9999,
1.8189


 38.7331, 19.9999,
1.8189

 331.9811,
251.9146, 119.4981


 26.7319, 12.3950,
0.4404


 72.5271, 43.4170,
8.5395

 17.5076, 7.0133,
0.0000


 95.0506, 59.9980,
14.8078


 10.6946, 3.4704,
0.0000


 121.8124, 80.3398,
23.5729

 5.9276, 1.3820,
0.0000

 153.1776,
104.8268, 35.2532

 2.8414, 0.2034,
0.0000

 189.5118,
133.8433, 50.2674

 1.0704, 0.0000,
0.0000

 231.1802,


 0.0002, 0.0000,


167.7739, 69.0339


0.0000


 278.5482,
207.0028, 91.9713

 0.0000, 0.0000,
0.0000


 38.7331, 19.9999,
1.8189


 38.7331, 19.9999,
1.8189

 38.7335, 20.0012,
1.8191

 39.2686, 20.7941,
2.8525

 40.4732, 22.5731,
5.1965

 42.5346, 25.6041,
9.2498

 45.5724, 30.0602,
15.2550

 49.6872, 36.0875,
23.4157

■ 54.9670, 43.8139,
33.9102

■ 61.4908, 53.3542,
46.8979

■ 69.3309, 64.8132,
62.5245

■ 78.5539, 78.2879,
80.9244

Harmonies

Analogous

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



46.1972, 19.9999, 13.2438



38.7331, 19.9999, 1.8189



26.6578, 19.9999, 0.0000

Triad

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



38.7331, 19.9999, 1.8189



5.7463, 19.9999, 7.5242



22.7111, 19.9999, 140.3919

Complementary

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



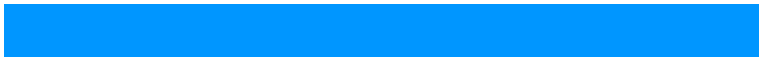
38.7331, 19.9999, 1.8189



49.8780, 72.6469, 100.1996

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.



12.9845, 19.9999, 131.7509



38.7331, 19.9999, 1.8189



5.3549, 19.9999, 33.3581

Square

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



38.7331, 19.9999, 1.8189



8.8434, 19.9999, 0.7746



7.4631, 19.9999, 83.1303



34.9569, 19.9999, 101.3161

Rectangle

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



38.7331, 19.9999, 1.8189



18.9889, 19.9999, 0.0000



7.4631, 19.9999, 83.1303



19.0298, 19.9999, 143.4561

Sweetspot

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



38.7335, 20.0012, 1.8192



65.4739, 56.7900, 49.8939



55.6542, 26.7336, 91.0329



13.3509, 11.1856, 9.3584



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.



38.7335, 20.0012, 1.8192



41.2631, 21.3062, 1.9377



45.9187, 34.3716, 4.2142



17.2562, 17.2484, 17.8822



20.9290, 10.8146, 0.9844



1.9423, 1.0095, 0.0925

Inverse Universe

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



49.8780, 72.6469, 100.1996



53.1354, 77.3909, 106.7451



24.1508, 21.1926, 91.6238



17.7527, 19.5823, 22.2294



26.9500, 39.2555, 54.1302



2.4999, 3.6435, 5.0147

Previews

White Background



This preview shows how the XYZ color 38.7331, 19.9999, 1.8189 looks on a white background.

Color Contrast Check

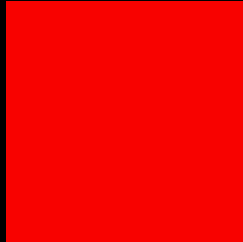
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.7331, 19.9999, 1.8189 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 38.7331, 19.9999, 1.8189

Background



This preview shows how black text looks on a background with the XYZ color 38.7331, 19.9999, 1.8189.



This preview shows how white text looks on a background with the XYZ color 38.7331, 19.9999,

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

38.7331, 19.9999, 1.8189

Protanopia

18.5788, 20.4342, 4.3315

Deuteranopia

20.6974, 20.4628, 2.8588



Tritanopia

38.3124, 20.2056, 1.8808

Trichromacy



Original Color

38.7331, 19.9999, 1.8189

Protanomaly

21.8173, 15.4911, 2.5020

Deuteranomaly

24.0703, 16.2452, 1.8670

Tritanomaly

38.5286, 20.1158, 1.8521

Monochromacy



Original Color

38.7331, 19.9999, 1.8189

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

12.0717, 7.7306, 3.6522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7331, 19.9999, 1.8189 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, 2, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 2, 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(248, 2, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 38.7331, 19.9999, 1.8189 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, 2, 0) }
```


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

```
.border{ border-color:rgb(248, 2, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 2, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 2, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(248, 2, 0); box-shadow:4px  
4px 4px 4px rgb(248, 2, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7331, 19.9999, 1.8189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 2, 0) }
```

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

```
.background{ background-color: rgb(248, 2,  
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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