

Converting Colors

XYZ(38.5038, 19.8468, 1.9193)

Have a look what the booklet for
XYZ(38.5038, 19.8468, 1.9193)
contains.

XYZ(38.3797, 19.7829, 1.9105)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.3797, 19.7829,
1.9105)**

Conversions

Conversions Part 1

Format	Color
Hex	F70004
RGB	247, 0, 4
RGB Percent	97%, 0%, 2%
CMY	0.0314, 0.9997, 0.9843
CMYK	0.00, 1.00, 0.98, 0.03
HSL	359°, 100%, 48%
HSV	359°, 100%, 97%
XYZ	38.3797, 19.7829, 1.9105
YIQ	74.3090, 145.9280, 53.6080

Conversions

Conversions Part 2

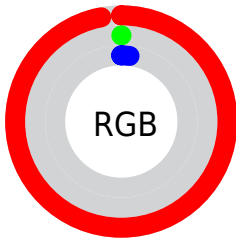
Format	Color
RYB	247, 0, 4
Decimal	16187396
CIELab	51.59, 78.23, 64.57
CIElCh	52, 101.429, 39.535
Yxy	19.7829, 0.6389, 0.3293
Android (android.graphics.Color)	4294377476 (0xFFFF70004)
YUV	74.3090, -34.6623, 151.4500
Hunter-Lab	44.4780, 76.1898, 28.5878

Details

The XYZ color **38.3797, 19.7829, 1.9105** 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 **49.4485, 72.9963, 96.3273**, and the grayscale version is **6.6119, 6.9562, 7.5753**.

A 20% lighter version of the original color is **46.1478, 29.7707, 7.5890**, and **18.8224, 9.7033, 0.8809** is the 20% darker color. If you saturate the color by 10%, you get **38.3791, 19.7826, 1.9087**, and if you desaturate by 10%, it is **38.9134, 20.5446, 3.0325**.

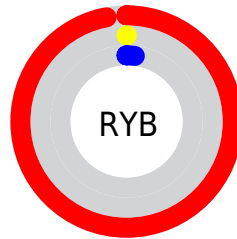
Distribution



Red (97%)

Green (0%)

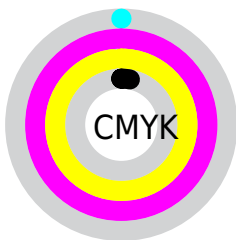
Blue (2%)



Red (97%)

Yellow (0%)

Blue (2%)

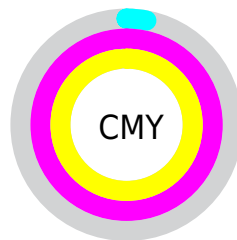


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (3%)



Cyan (3%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3797, 19.7829, 1.9105 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 38.3797, 19.7829, 1.9105 by changing the saturation by 10% instead.

 38.3797, 19.7829,
1.9105


 38.3797, 19.7829,
1.9105

 330.4987,
250.7374, 120.9712


 26.4561, 12.2373,
0.4994


 71.9899, 43.0529,
8.7946


 17.2996, 6.9055,
0.0000


 94.4072, 59.5461,
15.1755

 10.5450, 3.4031,
0.0000


 121.0531, 79.7907,
24.0735

 5.8268, 1.3456,
0.0000

 152.2929,
104.1710, 35.9074

 2.7797, 0.1761,
0.0000

 188.4920,
133.0714, 51.0955


 1.0384, 0.0000,
0.0000


 230.0158,


 0.0000, 0.0000,


166.8763, 70.0565


0.0000


 277.2296,
205.9702, 93.2089


 38.3797, 19.7829,
1.9105


 38.3797, 19.7829,
1.9105


 38.3791, 19.7826,
1.9087

 38.9134, 20.5446,
3.0325

 40.1091, 22.2632,
5.5049

 42.1540, 25.2282,
9.6540

 45.1665, 29.6160,
15.7059

 49.2464, 35.5746,
23.8516

■ 54.4808, 43.2335,
34.2592

■ 60.9482, 52.7090,
47.0796

■ 68.7199, 64.1067,
62.4507

■ 77.8620, 77.5246,
80.5000

Harmonies

Analogous

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



45.5809, 19.7829, 13.5018



38.3797, 19.7829, 1.9105



26.5390, 19.7829, 0.0000

Triad

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



38.3797, 19.7829, 1.9105



5.7527, 19.7829, 7.2528



22.2476, 19.7829, 138.2378

Complementary

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



38.3797, 19.7829, 1.9105



49.4485, 72.9963, 96.3273

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.



12.7387, 19.7829, 128.8824



38.3797, 19.7829, 1.9105



5.3242, 19.7829, 32.2653

Square

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



38.3797, 19.7829, 1.9105



8.8677, 19.7829, 0.7498



7.3598, 19.7829, 80.8414



34.2792, 19.7829, 100.5490

Rectangle

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



38.3797, 19.7829, 1.9105



18.9627, 19.7829, 0.0000



7.3598, 19.7829, 80.8414



18.6443, 19.7829, 140.9324

Sweetspot

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



38.3801, 19.7842, 1.9108



65.4697, 56.5840, 50.5015



53.7111, 25.7507, 90.1345



13.3499, 11.1392, 9.4954



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.



38.3801, 19.7842, 1.9108



41.2623, 21.2689, 2.0473



45.0043, 33.0671, 4.0125



16.5099, 16.4868, 17.1655



20.3024, 10.4644, 1.0350



1.7881, 0.9212, 0.1104

Inverse Universe

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



38.3801, 19.7842, 1.9108



41.2623, 21.2689, 2.0473



24.4624, 22.0623, 90.9642



16.5099, 16.4868, 17.1655



20.3024, 10.4644, 1.0350



1.7881, 0.9212, 0.1104

Previews

White Background



This preview shows how the XYZ color 38.3797, 19.7829, 1.9105 looks on a white background.

Color Contrast Check

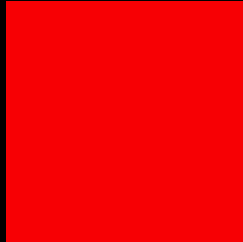
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.3797, 19.7829, 1.9105 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 38.3797, 19.7829, 1.9105

Background



This preview shows how black text looks on a background with the XYZ color 38.3797, 19.7829, 1.9105.



This preview shows how white text looks on a background with the XYZ color 38.3797, 19.7829,

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

38.3797, 19.7829, 1.9105

Protanopia

18.4095, 20.3470, 4.3236

Deuteranopia

20.3831, 20.1250, 2.8102



Tritanopia

37.9626, 20.0253, 1.8644

Trichromacy



Original Color

38.3797, 19.7829, 1.9105

Protanomaly

21.6039, 15.3790, 2.5888

Deuteranomaly

23.7568, 15.9815, 1.8613

Tritanomaly

38.1823, 19.9367, 1.8644

Monochromacy



Original Color

38.3797, 19.7829, 1.9105

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

11.8874, 7.5731, 3.7410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3797, 19.7829, 1.9105 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, 4)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 0, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 38.3797, 19.7829, 1.9105 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, 4) }
```


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

```
.border{ border-color:rgb(247, 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(247, 0, 4) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 38.3797, 19.7829, 1.9105 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, 4) }
```

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

```
.background{ background-color: rgb(247, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor