

Converting Colors

XYZ(38.7053, 20.2858, 1.8756)

Have a look what the booklet for
XYZ(38.7053, 20.2858, 1.8756)
contains.

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Color

**XYZ(38.5906, 20.2399,
1.8727)**

Conversions

Conversions Part 1

Format	Color
Hex	F71300
RGB	247, 19, 0
RGB Percent	97%, 7%, 0%
CMY	0.0314, 0.9253, 1.0000
CMYK	0.00, 0.92, 1.00, 0.03
HSL	5°, 100%, 48%
HSV	5°, 100%, 97%
XYZ	38.5906, 20.2399, 1.8727
YIQ	85.0060, 141.9870, 42.4270

Conversions

Conversions Part 2

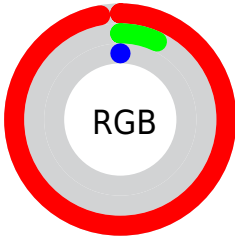
Format	Color
R_{YB}	247, 21, 0
Decimal	16192256
CIE Lab	52.11, 76.67, 65.80
CIE LCh	52, 101.038, 40.636
Yxy	20.2399, 0.6357, 0.3334
Android (android.graphics.Color)	4294382336 (0xFFFF71300)
YUV	85.0060, -41.9080, 142.0687
Hunter-Lab	44.9888, 74.3839, 29.0241

Details

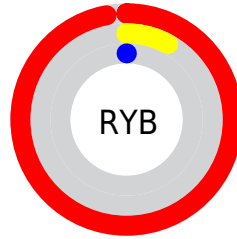
The XYZ color **38.5906, 20.2399, 1.8727** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **44.5194, 62.1774, 97.6499**, and the grayscale version is **8.7049, 9.1582, 9.9733**.

A 20% lighter version of the original color is **46.4656, 30.4892, 7.4390**, and **18.8224, 9.7033, 0.8809** is the 20% darker color. If you saturate the color by 10%, you get **38.5910, 20.2412, 1.8730**, and if you desaturate by 10%, it is **39.3519, 21.4874, 2.9762**.

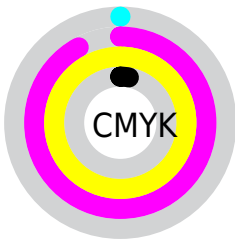
Distribution



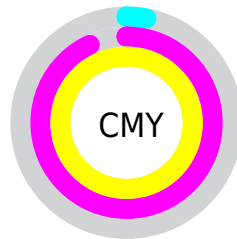
- Red (97%)
- Green (7%)
- Blue (0%)



- Red (97%)
- Yellow (8%)
- Blue (0%)



- Cyan (0%)
- Magenta (92%)
- Yellow (100%)
- Black (3%)





- Cyan (3%)
- Magenta (93%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5906, 20.2399, 1.8727 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 38.5906, 20.2399, 1.8727 by changing the saturation by 10% instead.

 38.5906, 20.2399,
1.8727


 38.5906, 20.2399,
1.8727

 331.3840,
253.2109, 120.3677


 26.6207, 12.5695,
0.4753


 72.3106, 43.8190,
8.6898

 17.4237, 7.1328,
0.0000


 94.7913, 60.4966,
15.0245


 10.6342, 3.5453,
0.0000


 121.5064, 80.9454,
23.8681

 5.8869, 1.4226,
0.0000

 152.8211,
105.5497, 35.6390

 2.8164, 0.2333,
0.0000

 189.1009,
134.6940, 50.7559

 1.0574, 0.0000,
0.0000


 230.7111,


 0.0000, 0.0000,


168.7628, 69.6373


0.0000


 278.0170,
208.1402, 92.7017


 38.5906, 20.2399,
1.8727


 38.5906, 20.2399,
1.8727


 38.5910, 20.2412,
1.8730

 39.3519, 21.4874,
2.9762

 40.7897, 23.7379,
5.3822

 43.0399, 27.1560,
9.4694

 46.2003, 31.8717,
15.4710

 50.3544, 37.9975,
23.5835

■ 55.5763, 45.6340,
33.9788

■ 61.9330, 54.8723,
46.8113

■ 69.4861, 65.7965,
62.2217

■ 78.2927, 78.4847,
80.3402

Harmonies

Analogous

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



46.1075, 20.2399, 13.1178



38.5906, 20.2399, 1.8727



26.6037, 20.2399, 0.0000

Triad

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



38.5906, 20.2399, 1.8727



5.9242, 20.2399, 8.0453



23.1412, 20.2399, 138.5548

Complementary

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



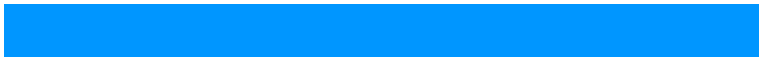
38.5906, 20.2399, 1.8727



44.5194, 62.1774, 97.6499

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.



13.3743, 20.2399, 131.0607



38.5906, 20.2399, 1.8727



5.5745, 20.2399, 34.2925

Square

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



38.5906, 20.2399, 1.8727



8.9845, 20.2399, 0.9205



7.7581, 20.2399, 83.7222



35.2893, 20.2399, 99.5301

Rectangle

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



38.5906, 20.2399, 1.8727



19.0179, 20.2399, 0.0000



7.7581, 20.2399, 83.7222



19.4586, 20.2399, 141.8984

Sweetspot

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



38.5910, 20.2412, 1.8730



66.5495, 58.9411, 50.2524



52.7152, 25.5171, 77.4024



13.5943, 11.6725, 9.4396



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.



38.5910, 20.2412, 1.8730



41.4842, 21.7484, 2.0114



47.7305, 38.5202, 4.9195



16.6018, 16.6876, 17.1436



20.4480, 10.7815, 1.0033



1.8320, 1.0173, 0.0998

Inverse Universe

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



44.5194, 62.1774, 97.6499



47.8555, 66.8311, 104.9852



22.0495, 17.2376, 90.1599



16.8810, 18.5263, 21.2288



23.5929, 32.9796, 51.6603



2.1055, 2.9624, 4.5511

Previews

White Background



This preview shows how the XYZ color 38.5906, 20.2399, 1.8727 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 38.5906, 20.2399, 1.8727 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 38.5906, 20.2399, 1.8727

Background



This preview shows how black text looks on a background with the XYZ color 38.5906, 20.2399, 1.8727.



This preview shows how white text looks on a background with the XYZ color 38.5906, 20.2399,

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

38.5906, 20.2399, 1.8727

Protanopia

18.7061, 20.6887, 4.3739

Deuteranopia

20.6974, 20.4628, 2.8588



Tritanopia

38.6447, 20.3480, 1.8908

Trichromacy



Original Color

38.5906, 20.2399, 1.8727

Protanomaly

22.3569, 16.5702, 2.6819

Deuteranomaly

24.3285, 17.1337, 2.0249

Tritanomaly

38.6259, 20.3105, 1.8845

Monochromacy



Original Color

38.5906, 20.2399, 1.8727

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

13.8362, 9.5331, 4.6009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5906, 20.2399, 1.8727 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, 19, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 19, 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, 19, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 19, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.5906, 20.2399, 1.8727 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, 19, 0) }
```


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

```
.border{ border-color:rgb(247, 19, 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, 19, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 19, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 19, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 19, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.5906, 20.2399, 1.8727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 19, 0) }
```

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

```
.background{ background-color: rgb(247, 19,  
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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