

Converting Colors

XYZ(38.7698, 20.4148, 1.8971)

Have a look what the booklet for
XYZ(38.7698, 20.4148, 1.8971)
contains.

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Color

**XYZ(38.6447, 20.3480,
1.8908)**

Conversions

Conversions Part 1

Format	Color
Hex	F71600
RGB	247, 22, 0
RGB Percent	97%, 9%, 0%
CMY	0.0314, 0.9136, 1.0000
CMYK	0.00, 0.91, 1.00, 0.03
HSL	5°, 100%, 48%
HSV	5°, 100%, 97%
XYZ	38.6447, 20.3480, 1.8908
YIQ	86.7670, 141.1620, 40.8580

Conversions

Conversions Part 2

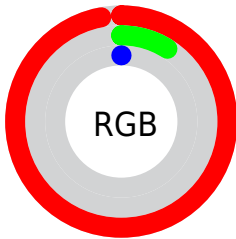
Format	Color
R_{YB}	247, 24, 0
Decimal	16193024
CIE _{Lab}	52.23, 76.33, 65.84
CIE _{LCh}	52, 100.802, 40.783
Yxy	20.3480, 0.6347, 0.3342
Android (android.graphics.Color)	4294383104 (0xFFFF71600)
YUV	86.7670, -42.7761, 140.5243
Hunter-Lab	45.1088, 73.9807, 29.0909

Details

The XYZ color **38.6447, 20.3480, 1.8908** 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 **43.7037, 60.5460, 97.3781**, and the grayscale version is **9.0812, 9.5541, 10.4044**.

A 20% lighter version of the original color is **46.5609, 30.6798, 7.4708**, and **18.8224, 9.7033, 0.8809** is the 20% darker color. If you saturate the color by 10%, you get **38.6451, 20.3492, 1.8910**, and if you desaturate by 10%, it is **39.4505, 21.6844, 3.0092**.

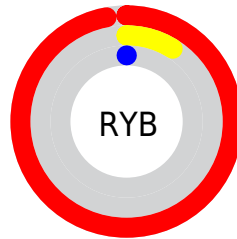
Distribution



Red (97%)

Green (9%)

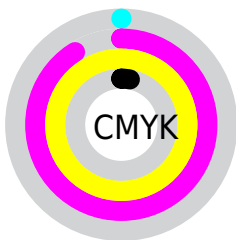
Blue (0%)



Red (97%)

Yellow (9%)

Blue (0%)

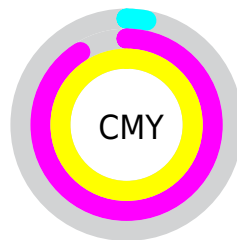


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (91%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6447, 20.3480, 1.8908 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 38.6447, 20.3480, 1.8908 by changing the saturation by 10% instead.


 38.6447, 20.3480,
1.8908


 38.6447, 20.3480,
1.8908

 331.6108,
253.7929, 120.6574


 26.6629, 12.6483,
0.4869


 72.3928, 43.9999,
8.7400

 17.4555, 7.1868,
0.0000


 94.8898, 60.7208,
15.0969

 10.6571, 3.5792,
0.0000


 121.6226, 81.2175,
23.9666

 5.9023, 1.4411,
0.0000

 152.9565,
105.8745, 35.7678

 2.8259, 0.2467,
0.0000

 189.2569,
135.0762, 50.9189


 1.0624, 0.0000,
0.0000


 230.8892,

 0.0000, 0.0000,


169.2069, 69.8385


0.0000


 278.2187,
208.6509, 92.9452


 38.6447, 20.3480,
1.8908


 38.6447, 20.3480,
1.8908

 38.6451, 20.3492,
1.8910

 39.4505, 21.6844,
3.0092

 40.9294, 24.0172,
5.4291

 43.2134, 27.5027,
9.5277

 46.3970, 32.2647,
15.5373

 50.5614, 38.4111,
23.6535

■ 55.7786, 46.0381,
34.0475

■ 62.1139, 55.2336,
46.8731

■ 69.6274, 66.0783,
62.2705

■ 78.3746, 78.6476,
80.3696

Harmonies

Analogous

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



46.1924, 20.3480, 13.1166



38.6447, 20.3480, 1.8908



26.6521, 20.3480, 0.0000

Triad

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



38.6447, 20.3480, 1.8908



5.9834, 20.3480, 8.1993



23.3046, 20.3480, 138.4169

Complementary

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



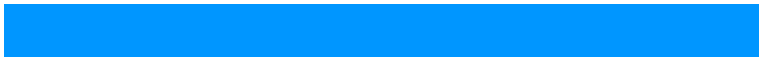
38.6447, 20.3480, 1.8908



43.7037, 60.5460, 97.3781

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.



13.5051, 20.3480, 131.1928



38.6447, 20.3480, 1.8908



5.6438, 20.3480, 34.6112

Square

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



38.6447, 20.3480, 1.8908



9.0412, 20.3480, 0.9594



7.8519, 20.3480, 84.0675



35.4559, 20.3480, 99.3147

Rectangle

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



38.6447, 20.3480, 1.8908



19.0696, 20.3480, 0.0000



7.8519, 20.3480, 84.0675



19.6133, 20.3480, 141.8382

Sweetspot

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



38.6451, 20.3493, 1.8911



66.7432, 59.3285, 50.3170



52.1421, 25.2879, 74.3841



13.6384, 11.7606, 9.4543



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.



38.6451, 20.3493, 1.8911



41.5415, 21.8629, 2.0305



48.3435, 39.7460, 5.1239



16.6180, 16.7201, 17.1490



20.4806, 10.8467, 1.0142



1.8397, 1.0327, 0.1024

Inverse Universe

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



43.7037, 60.5460, 97.3781



46.9771, 65.0742, 104.6924



21.6305, 16.3996, 90.0203



16.8629, 18.4901, 21.2227



23.1680, 32.1298, 51.5186



2.0726, 2.8966, 4.5401

Previews

White Background



This preview shows how the XYZ color 38.6447, 20.3480, 1.8908 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 38.6447, 20.3480, 1.8908 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 38.6447, 20.3480, 1.8908

Background



This preview shows how black text looks on a background with the XYZ color 38.6447, 20.3480, 1.8908.



This preview shows how white text looks on a background with the XYZ color 38.6447, 20.3480,

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

38.6447, 20.3480, 1.8908

Protanopia

18.7061, 20.6887, 4.3739

Deuteranopia

20.6974, 20.4628, 2.8588



Tritanopia

38.6721, 20.3589, 2.0350

Trichromacy



Original Color

38.6447, 20.3480, 1.8908

Protanomaly

22.4384, 16.7333, 2.7090

Deuteranomaly

24.4055, 17.2878, 2.0506

Tritanomaly

38.6611, 20.3546, 1.9773

Monochromacy



Original Color

38.6447, 20.3480, 1.8908

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

14.1441, 9.8506, 4.7703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6447, 20.3480, 1.8908 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, 22, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 22, 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, 22, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 22, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.6447, 20.3480, 1.8908 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, 22, 0) }
```


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

```
.border{ border-color:rgb(247, 22, 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, 22, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 22, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 22, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 22, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.6447, 20.3480, 1.8908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 22, 0) }
```

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

```
.background{ background-color: rgb(247, 22,  
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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