

Converting Colors

XYZ(38.1654, 20.5124, 0.0000)

Have a look what the booklet for
XYZ(38.1654, 20.5124, 0.0000)
contains.

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Color

**XYZ(38.5499, 20.6805,
1.9599)**

Conversions

Conversions Part 1

Format	Color
Hex	F62100
RGB	246, 33, 0
RGB Percent	96%, 13%, 0%
CMY	0.0353, 0.8705, 1.0000
CMYK	0.00, 0.87, 1.00, 0.04
HSL	8°, 100%, 48%
HSV	8°, 100%, 96%
XYZ	38.5499, 20.6805, 1.9599
YIQ	92.9250, 137.5410, 34.8930

Conversions

Conversions Part 2

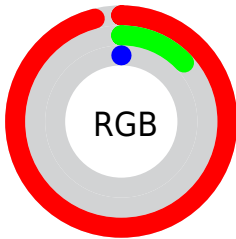
Format	Color
RYB	246, 38, 0
Decimal	16130304
CIELab	52.60, 74.43, 65.86
CIELCh	53, 99.383, 41.503
Yxy	20.6805, 0.6300, 0.3380
Android (android.graphics.Color)	4294320384 (0xFFFF62100)
YUV	92.9250, -45.8120, 134.2468
Hunter-Lab	45.4758, 71.7320, 29.2778

Details

The XYZ color **38.5499, 20.6805, 1.9599** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **40.4223, 54.2295, 95.5250**, and the grayscale version is **10.4709, 11.0162, 11.9967**.

A 20% lighter version of the original color is **46.9797, 31.4764, 7.7371**, and **18.5904, 9.5837, 0.8700** is the 20% darker color. If you saturate the color by 10%, you get **38.5503, 20.6818, 1.9602**, and if you desaturate by 10%, it is **39.5112, 22.3296, 3.1249**.

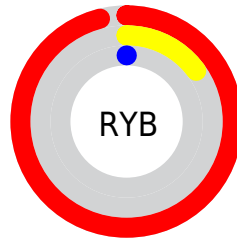
Distribution



Red (96%)

Green (13%)

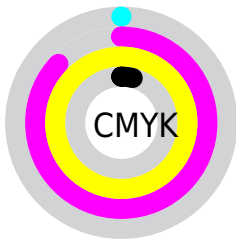
Blue (0%)



Red (96%)

Yellow (15%)

Blue (0%)

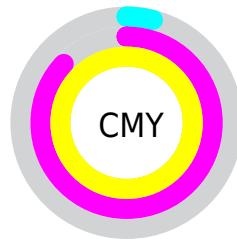


Cyan (0%)

Magenta (87%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (87%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5499, 20.6805, 1.9599 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 38.5499, 20.6805, 1.9599 by changing the saturation by 10% instead.

 38.5499, 20.6805,
1.9599


 38.5499, 20.6805,
1.9599


 331.2133,
255.5756, 121.7510


 26.5889, 12.8907,
0.5305


 72.2487, 44.5552,
8.9309


 17.3997, 7.3533,
0.0000


 94.7172, 61.4088,
15.3713

 10.6169, 3.6840,
0.0000


 121.4189, 82.0525,
24.3397

 5.8753, 1.4984,
0.0000

 152.7192,
106.8707, 36.2547

 2.8093, 0.2876,
0.0000

 188.9835,
136.2476, 51.5348


 1.0537, 0.0000,
0.0000


 230.5770,


 0.0000, 0.0000,


170.5679, 70.5985


0.0000


 277.8651,
210.2157, 93.8644


 38.5499, 20.6805,
1.9599


 38.5499, 20.6805,
1.9599


 38.5503, 20.6818,
1.9602

 39.5112, 22.3296,
3.1249

 41.1227, 24.9328,
5.5731

 43.5022, 28.6186,
9.6745

 46.7331, 33.4897,
15.6557

 50.8880, 39.6368,
23.7076

■ 56.0312, 47.1416,
33.9974

■ 62.2214, 56.0789,
46.6755

■ 69.5126, 66.5181,
61.8789

■ 77.9551, 78.5242,
79.7344

Harmonies

Analogous

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



46.1775, 20.6805, 12.9884



38.5499, 20.6805, 1.9599



26.6385, 20.6805, 0.0000

Triad

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



38.5499, 20.6805, 1.9599



6.2146, 20.6805, 8.8834



23.8797, 20.6805, 136.5128

Complementary

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



38.5499, 20.6805, 1.9599



40.4223, 54.2295, 95.5250

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.



14.0149, 20.6805, 130.6409



38.5499, 20.6805, 1.9599



5.9287, 20.6805, 35.8407

Square

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



38.5499, 20.6805, 1.9599



9.2302, 20.6805, 1.1470



8.2355, 20.6805, 84.9658



35.9330, 20.6805, 97.3932

Rectangle

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



38.5499, 20.6805, 1.9599



19.1407, 20.6805, 0.0000



8.2355, 20.6805, 84.9658



20.1808, 20.6805, 140.2729

Sweetspot

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



38.5503, 20.6818, 1.9602



67.4743, 60.7908, 50.5607



50.0414, 24.4069, 65.1571



13.8051, 12.0941, 9.5099



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.



38.5503, 20.6818, 1.9602



41.8187, 22.4174, 2.1229



49.8607, 43.3025, 5.7303



16.6785, 16.8411, 17.1692



20.6336, 11.1527, 1.0652



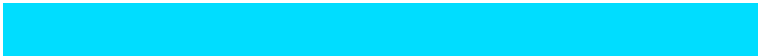
1.8684, 1.0901, 0.1119

Inverse Universe

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



40.4223, 54.2295, 95.5250



43.8450, 58.8099, 103.6483



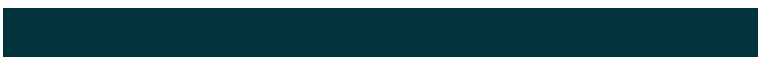
20.3075, 13.9999, 88.8201



16.7959, 18.3561, 21.2004



21.6517, 29.0972, 51.0132



1.9544, 2.6603, 4.5007

Previews

White Background



This preview shows how the XYZ color 38.5499, 20.6805, 1.9599 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 38.5499, 20.6805, 1.9599 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 38.5499, 20.6805, 1.9599

Background



This preview shows how black text looks on a background with the XYZ color 38.5499, 20.6805, 1.9599.



This preview shows how white text looks on a background with the XYZ color 38.5499, 20.6805,

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

38.5499, 20.6805, 1.9599

Protanopia

18.9920, 21.0285, 4.3542

Deuteranopia

21.0145, 20.8039, 2.9080



Tritanopia

38.7090, 20.7004, 2.9327

Trichromacy



Original Color

38.5499, 20.6805, 1.9599

Protanomaly

22.8630, 17.5825, 2.8506

Deuteranomaly

24.9756, 18.0558, 2.1688

Tritanomaly

38.6237, 20.6663, 2.4836

Monochromacy



Original Color

38.5499, 20.6805, 1.9599

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

15.4371, 11.2118, 5.4881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5499, 20.6805, 1.9599 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(246, 33, 0)` looks like.

```
.text, #text, p{  
    color:rgb(246, 33, 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(246, 33, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 33, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.5499, 20.6805, 1.9599 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(246, 33, 0) }
```


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

```
.border{ border-color:rgb(246, 33, 0) }
```

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

Here you see how a box with a 4 pixel rgb(246, 33, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 33, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 33, 0);  
box-shadow:4px 4px 4px 4px rgb(246, 33, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.5499, 20.6805, 1.9599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 33, 0) }
```

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

```
.background{ background-color: rgb(246, 33,  
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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