

Converting Colors

XYZ(37.8980, 22.6020, 2.3669)

Have a look what the booklet for
XYZ(37.8980, 22.6020, 2.3669)
contains.

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Color

**XYZ(38.0023, 22.6595,
2.3708)**

Conversions

Conversions Part 1

Format	Color
Hex	F04400
RGB	240, 68, 0
RGB Percent	94%, 27%, 0%
CMY	0.0588, 0.7333, 1.0000
CMYK	0.00, 0.72, 1.00, 0.06
HSL	17°, 100%, 47%
HSV	17°, 100%, 94%
XYZ	38.0023, 22.6595, 2.3708
YIQ	111.6760, 124.3400, 15.3160

Conversions

Conversions Part 2

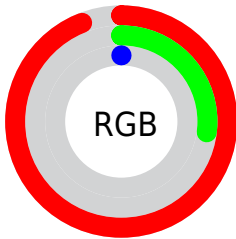
Format	Color
R_{YB}	240, 95, 0
Decimal	15746048
CIE _{Lab}	54.72, 63.52, 66.08
CIE _{LCh}	55, 91.663, 46.132
Yxy	22.6595, 0.6029, 0.3595
Android (android.graphics.Color)	4293936128 (0xFFFF04400)
YUV	111.6760, -55.0563, 112.5401
Hunter-Lab	47.6020, 59.1992, 30.3685

Details

The XYZ color **38.0023, 22.6595, 2.3708** 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 **30.4789, 35.7928, 87.7397**, and the grayscale version is **15.4383, 16.2423, 17.6879**.

A 20% lighter version of the original color is **49.5704, 36.5295, 8.9957**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **38.0026, 22.6605, 2.3710**, and if you desaturate by 10%, it is **39.3650, 25.1214, 3.6385**.

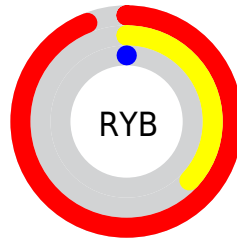
Distribution



Red (94%)

Green (27%)

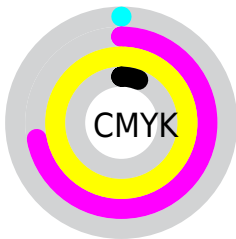
Blue (0%)



Red (94%)

Yellow (37%)

Blue (0%)

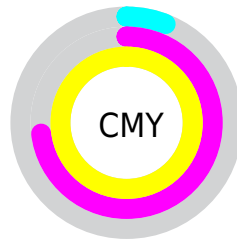


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (73%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0023, 22.6595, 2.3708 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 38.0023, 22.6595, 2.3708 by changing the saturation by 10% instead.


 38.0023, 22.6595,
2.3708


 38.0023, 22.6595,
2.3708

328.9105,
265.9713, 127.8922


 26.1617, 14.3423,
0.7705


 71.4155, 47.8336,
10.0318


 17.0780, 8.3591,
0.0000


 93.7189, 65.4593,
16.9422


 10.3857, 4.3256,
0.0000


 120.2405, 86.9566,
26.4640

 5.7197, 1.8573,
0.0000

 151.3458,
112.7100, 39.0157

 2.7144, 0.5225,
0.0000

 187.4001,
143.1037, 55.0158

 1.0046, 0.0000,
0.0000


 228.7687,


 0.0000, 0.0000,


178.5222, 74.8829


0.0000


 275.8171,
219.3499, 99.0355


 38.0023, 22.6595,
2.3708

 38.0023, 22.6595,
2.3708


 38.0026, 22.6605,
2.3710

 39.3650, 25.1214,
3.6385

 41.2603, 28.3222,
6.0888

 43.7743, 32.3322,
10.0651

 46.9648, 37.2066,
15.7735

 50.8821, 42.9949,
23.3875

■ 55.5711, 49.7426,
33.0594

■ 61.0730, 57.4922,
44.9257

■ 67.4258, 66.2833,
59.1114

■ 74.6651, 76.1534,
75.7318

Harmonies

Analogous

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



46.1117, 22.6595, 12.2166



38.0023, 22.6595, 2.3708



26.5379, 22.6595, 0.3743

Triad

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



38.0023, 22.6595, 2.3708



7.6454, 22.6595, 13.5940



27.3990, 22.6595, 126.0179

Complementary

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



38.0023, 22.6595, 2.3708



30.4789, 35.7928, 87.7397

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.



17.2078, 22.6595, 127.7123



38.0023, 22.6595, 2.3708



7.7454, 22.6595, 43.5864

Square

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



38.0023, 22.6595, 2.3708



10.3473, 22.6595, 2.7120



10.6837, 22.6595, 90.4560



38.8001, 22.6595, 86.8113

Rectangle

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



38.0023, 22.6595, 2.3708



19.5279, 22.6595, 0.2242



10.6837, 22.6595, 90.4560



23.6798, 22.6595, 131.6535

Sweetspot

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



38.0028, 22.6609, 2.3711



70.0217, 65.8856, 51.4098



43.3814, 21.5038, 40.8942



14.3917, 13.2674, 9.7054



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.



38.0028, 22.6609, 2.3711



43.5742, 25.9285, 2.7081



53.9182, 54.4916, 7.6763



16.1375, 16.4882, 16.4817



20.9007, 12.5994, 1.3303



1.8203, 1.2112, 0.1378

Inverse Universe

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



30.4789, 35.7928, 87.7397



34.9298, 40.9797, 100.6766



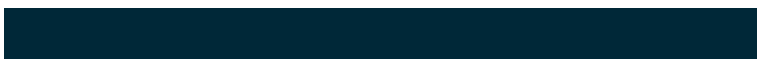
16.9562, 8.7475, 83.2321



15.8468, 17.1278, 20.1924



16.8033, 19.8308, 48.0700



1.4819, 1.8178, 4.0270

Previews

White Background



This preview shows how the XYZ color 38.0023, 22.6595, 2.3708 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 38.0023, 22.6595, 2.3708 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 38.0023, 22.6595, 2.3708

Background



This preview shows how black text looks on a background with the XYZ color 38.0023, 22.6595, 2.3708.



This preview shows how white text looks on a background with the XYZ color 38.0023, 22.6595,

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

38.0023, 22.6595, 2.3708

Protanopia

20.6618, 22.8776, 4.3637

Deuteranopia

23.0595, 22.7742, 3.1805



Tritanopia

39.0365, 22.6491, 7.4685

Trichromacy



Original Color

38.0023, 22.6595, 2.3708

Protanomaly

24.6259, 20.8015, 3.2475

Deuteranomaly

26.9426, 21.2381, 2.6793

Tritanomaly

38.5838, 22.6485, 4.5285

Monochromacy



Original Color

38.0023, 22.6595, 2.3708

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

19.6183, 16.1916, 8.0525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0023, 22.6595, 2.3708 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(240, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 68, 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(240, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 68, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.0023, 22.6595, 2.3708 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(240, 68, 0) }
```


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

```
.border{ border-color:rgb(240, 68, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 68, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 68, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 68, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 68, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.0023, 22.6595, 2.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 68, 0) }
```

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

```
.background{ background-color: rgb(240, 68,  
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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