

Converting Colors

XYZ(38.2354, 22.6206, 2.3510)

Have a look what the booklet for
XYZ(38.2354, 22.6206, 2.3510)
contains.

XYZ(38.2238, 22.5972, 2.3471)	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(38.2238, 22.5972,
2.3471)**

Conversions

Conversions Part 1

Format	Color
Hex	F14200
RGB	241, 66, 0
RGB Percent	95%, 26%, 0%
CMY	0.0549, 0.7411, 1.0000
CMYK	0.00, 0.73, 1.00, 0.05
HSL	16°, 100%, 47%
HSV	16°, 100%, 95%
XYZ	38.2238, 22.5972, 2.3471
YIQ	110.8010, 125.4860, 16.5740

Conversions

Conversions Part 2

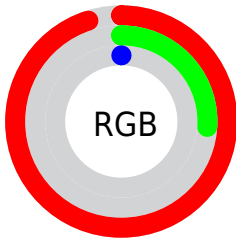
Format	Color
R_{YB}	241, 91, 0
Decimal	15811072
CIE _{Lab}	54.65, 64.52, 66.16
CIE _{LCh}	55, 92.408, 45.719
Yxy	22.5972, 0.6051, 0.3577
Android (android.graphics.Color)	4294001152 (0xFFFF14200)
YUV	110.8010, -54.6249, 114.1845
Hunter-Lab	47.5365, 60.3418, 30.3481

Details

The XYZ color **38.2238, 22.5972, 2.3471** 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 **31.2050, 37.0068, 88.7166**, and the grayscale version is **15.1812, 15.9718, 17.3933**.

A 20% lighter version of the original color is **49.4431, 36.2750, 8.9533**, and **17.6792, 9.1140, 0.8274** is the 20% darker color. If you saturate the color by 10%, you get **38.2241, 22.5982, 2.3473**, and if you desaturate by 10%, it is **39.5738, 25.0321, 3.6157**.

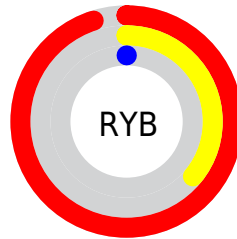
Distribution



Red (95%)

Green (26%)

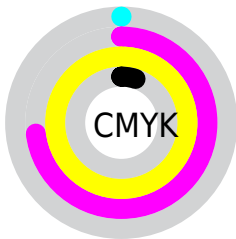
Blue (0%)



Red (95%)

Yellow (36%)

Blue (0%)

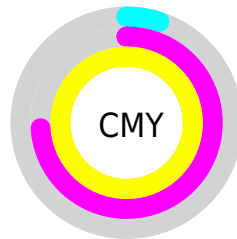


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (74%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2238, 22.5972, 2.3471 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 38.2238, 22.5972, 2.3471 by changing the saturation by 10% instead.


 38.2238, 22.5972,
2.3471


 38.2238, 22.5972,
2.3471


329.8433,
265.6493, 127.5530


 26.3344, 14.2964,
0.7574


 71.7527, 47.7311,
9.9697


 17.2080, 8.3271,
0.0000


 94.1230, 65.3329,
16.8542

 10.4791, 4.3049,
0.0000


 120.7176, 86.8039,
26.3454

 5.7825, 1.8456,
0.0000

 151.9019,
112.5283, 38.8621

 2.7527, 0.5153,
0.0000

 188.0413,
142.8907, 54.8226

 1.0243, 0.0000,
0.0000


 229.5011,


 0.0000, 0.0000,


178.2754, 74.6456


0.0000

 276.6466,
219.0668, 98.7495


 38.2238, 22.5972,
2.3471


 38.2238, 22.5972,
2.3471


 38.2241, 22.5982,
2.3473

 39.5738, 25.0321,
3.6157

 41.4677, 28.2252,
6.0808

 43.9935, 32.2497,
10.0891

 47.2106, 37.1633,
15.8490

 51.1706, 43.0179,
23.5362

■ 55.9197, 49.8609,
33.3048

■ 61.5002, 57.7367,
45.2931

■ 67.9513, 66.6867,
59.6274

■ 75.3093, 76.7498,
76.4245

Harmonies

Analogous

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



46.3298, 22.5972, 12.3387



38.2238, 22.5972, 2.3471



26.6706, 22.5972, 0.3272

Triad

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



38.2238, 22.5972, 2.3471



7.5564, 22.5972, 13.2160



27.2222, 22.5972, 127.4389

Complementary

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



38.2238, 22.5972, 2.3471



31.2050, 37.0068, 88.7166

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.



17.0073, 22.5972, 128.5314



38.2238, 22.5972, 2.3471



7.6199, 22.5972, 43.1056

Square

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



38.2238, 22.5972, 2.3471



10.3013, 22.5972, 2.5609



10.5155, 22.5972, 90.4026



38.7359, 22.5972, 88.0558

Rectangle

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



38.2238, 22.5972, 2.3471



19.5879, 22.5972, 0.1597



10.5155, 22.5972, 90.4026



23.4859, 22.5972, 132.9510

Sweetspot

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



38.2243, 22.5986, 2.3474



69.8541, 65.5504, 51.3539



44.1846, 21.8644, 43.3474



14.3529, 13.1897, 9.6925



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.



38.2243, 22.5986, 2.3474



43.4205, 25.6210, 2.6568



53.5755, 53.3010, 7.4645



16.1251, 16.4633, 16.4776



20.8245, 12.4470, 1.3049



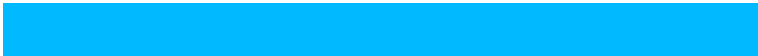
1.8125, 1.1957, 0.1353

Inverse Universe

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



31.2050, 37.0068, 88.7166



35.4313, 41.9827, 100.8438



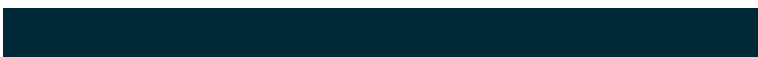
17.3027, 9.2021, 84.0825



15.8600, 17.1541, 20.1968



17.0401, 20.3044, 48.1489



1.5000, 1.8540, 4.0330

Previews

White Background



This preview shows how the XYZ color 38.2238, 22.5972, 2.3471 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 38.2238, 22.5972, 2.3471 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 38.2238, 22.5972, 2.3471

Background



This preview shows how black text looks on a background with the XYZ color 38.2238, 22.5972, 2.3471.



This preview shows how white text looks on a background with the XYZ color 38.2238, 22.5972,

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

38.2238, 22.5972, 2.3471

Protanopia

20.6618, 22.8776, 4.3637

Deuteranopia

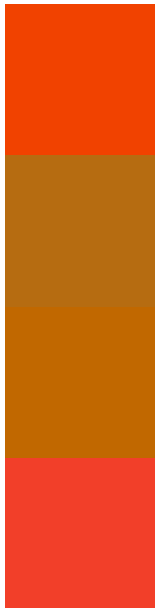
23.0595, 22.7742, 3.1805



Tritanopia

39.2660, 22.6927, 7.1611

Trichromacy



Original Color

38.2238, 22.5972, 2.3471

Protanomaly

24.7551, 20.7107, 3.2231

Deuteranomaly

26.9426, 21.2381, 2.6793

Tritanomaly

38.7957, 22.5924, 4.4138

Monochromacy



Original Color

38.2238, 22.5972, 2.3471

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

19.3301, 15.9085, 8.0131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2238, 22.5972, 2.3471 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(241, 66, 0)` looks like.

```
.text, #text, p{  
    color:rgb(241, 66, 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(241, 66, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 66, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.2238, 22.5972, 2.3471 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(241, 66, 0) }
```


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

```
.border{ border-color:rgb(241, 66, 0) }
```

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

Here you see how a box with a 4 pixel rgb(241, 66, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 66, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 66, 0);  
box-shadow:4px 4px 4px 4px rgb(241, 66, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.2238, 22.5972, 2.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 66, 0) }
```

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

```
.background{ background-color: rgb(241, 66,  
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](#).

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