

Converting Colors

XYZ(34.5612, 22.1195, 2.4479)

Have a look what the booklet for
XYZ(34.5612, 22.1195, 2.4479)
contains.

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Color

**XYZ(34.5472, 22.0682,
2.4388)**

Conversions

Conversions Part 1

Format	Color
Hex	E35000
RGB	227, 80, 0
RGB Percent	89%, 31%, 0%
CMY	0.1098, 0.6862, 1.0000
CMYK	0.00, 0.65, 1.00, 0.11
HSL	21°, 100%, 45%
HSV	21°, 100%, 89%
XYZ	34.5472, 22.0682, 2.4388
YIQ	114.8330, 113.2920, 6.2840

Conversions

Conversions Part 2

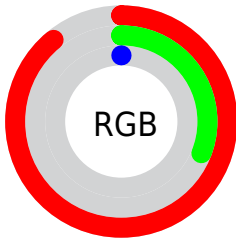
Format	Color
R_{YB}	227, 124, 0
Decimal	14897152
CIE _{Lab}	54.10, 54.68, 64.48
CIE _{LCh}	54, 84.545, 49.704
Yxy	22.0682, 0.5850, 0.3737
Android (android.graphics.Color)	4293087232 (0xFFE35000)
YUV	114.8330, -56.6127, 98.3705
Hunter-Lab	46.9768, 49.0612, 29.8057

Details

The XYZ color **34.5472, 22.0682, 2.4388** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **24.2981, 26.4120, 76.4898**, and the grayscale version is **16.3884, 17.2419, 18.7764**.

A 20% lighter version of the original color is **50.8012, 38.9468, 9.5426**, and **15.2895, 8.1571, 0.7686** is the 20% darker color. If you saturate the color by 10%, you get **34.5474, 22.0689, 2.4389**, and if you desaturate by 10%, it is **35.8960, 24.5235, 3.6368**.

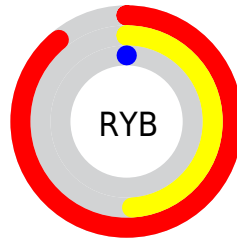
Distribution



Red (89%)

Green (31%)

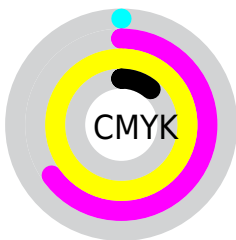
Blue (0%)



Red (89%)

Yellow (49%)

Blue (0%)

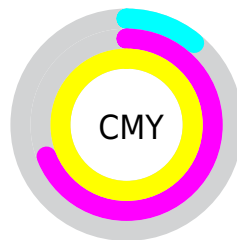


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5472, 22.0682, 2.4388 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 34.5472, 22.0682, 2.4388 by changing the saturation by 10% instead.


 34.5472, 22.0682,
2.4388


 34.5472, 22.0682,
2.4388


314.1083,
262.9022, 128.8563


 23.4792, 13.9070,
0.8075


 66.1224, 46.8587,
10.2090

 15.0704, 8.0560,
0.0000


 87.3602, 64.2568,
17.1934

 8.9554, 4.1308,
0.0000


 112.7187, 85.5027,
26.8019

 4.7690, 1.7470,
0.0000

 142.5632,
110.9807, 39.4531

 2.1457, 0.4538,
0.0000

 177.2590,
141.0752, 55.5657


 0.7139, 0.0000,
0.0000


 217.1716,


 0.0000, 0.0000,


176.1708, 75.5580


0.0000


 262.6662,
216.6516, 99.8487


 34.5472, 22.0682,
2.4388


 34.5472, 22.0682,
2.4388


 34.5474, 22.0689,
2.4389

 35.8960, 24.5235,
3.6368

 37.6721, 27.5479,
5.8555

 39.9460, 31.1917,
9.4010

 42.7629, 35.4921,
14.4504

 46.1617, 40.4830,
21.1534

■ 50.1774, 46.1954,
29.6411

■ 54.8419, 52.6584,
40.0314

■ 60.1847, 59.8993,
52.4320

■ 66.2334, 67.9439,
66.9424

Harmonies

Analogous

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



42.3013, 22.0682, 10.7215



34.5472, 22.0682, 2.4388



24.2821, 22.0682, 0.7055

Triad

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



34.5472, 22.0682, 2.4388



7.9831, 22.0682, 16.0959



27.4894, 22.0682, 109.6283

Complementary

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



34.5472, 22.0682, 2.4388



24.2981, 26.4120, 76.4898

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.



17.9830, 22.0682, 115.6231



34.5472, 22.0682, 2.4388



8.3822, 22.0682, 45.3555

Square

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



34.5472, 22.0682, 2.4388



10.2080, 22.0682, 3.9455



11.5244, 22.0682, 86.6584



37.4743, 22.0682, 73.6190

Rectangle

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



34.5472, 22.0682, 2.4388



18.1450, 22.0682, 0.6949



11.5244, 22.0682, 86.6584



24.0853, 22.0682, 115.8809

Sweetspot

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



34.5477, 22.0695, 2.4391



71.2683, 68.3787, 51.8253



36.9882, 18.4548, 29.4438



14.6818, 13.8474, 9.8021



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.



34.5477, 22.0695, 2.4391



44.8856, 28.5512, 3.1452



50.7372, 54.4486, 7.8357



14.7905, 15.1948, 15.0578



20.2477, 13.0695, 1.4555



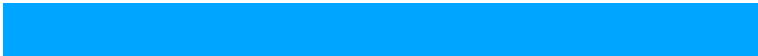
1.5811, 1.1356, 0.1359

Inverse Universe

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



24.2981, 26.4120, 76.4898



31.5277, 34.1755, 99.5426



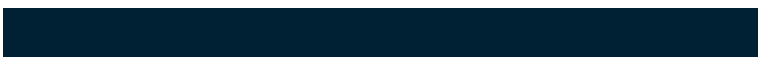
14.4387, 6.6932, 73.2033



14.3576, 15.4367, 18.3672



14.2842, 15.6304, 44.6473



1.1421, 1.3281, 3.3281

Previews

White Background



This preview shows how the XYZ color 34.5472, 22.0682, 2.4388 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 34.5472, 22.0682, 2.4388 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 34.5472, 22.0682, 2.4388

Background



This preview shows how black text looks on a background with the XYZ color 34.5472, 22.0682, 2.4388.



This preview shows how white text looks on a background with the XYZ color 34.5472, 22.0682,

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

34.5472, 22.0682, 2.4388

Protanopia

19.9913, 22.1381, 4.0300

Deuteranopia

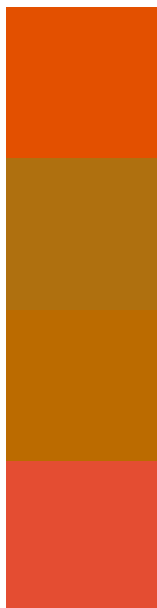
22.3928, 22.0584, 3.0775



Tritanopia

36.2405, 22.2547, 9.7826

Trichromacy



Original Color

34.5472, 22.0682, 2.4388

Protanomaly

23.5596, 20.7368, 3.2128

Deuteranomaly

25.7512, 21.0802, 2.7116

Tritanomaly

35.2245, 22.0320, 5.4137

Monochromacy



Original Color

34.5472, 22.0682, 2.4388

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

19.6643, 17.0517, 8.5582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5472, 22.0682, 2.4388 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(227, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 80, 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(227, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 80, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.5472, 22.0682, 2.4388 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(227, 80, 0) }
```


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

```
.border{ border-color:rgb(227, 80, 0) }
```

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

Here you see how a box with a 4 pixel rgb(227, 80, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 80, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.5472, 22.0682, 2.4388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 80, 0) }
```

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

```
.background{ background-color: rgb(227, 80,  
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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