

Converting Colors

XYZ(34.7552, 22.5077, 2.5126)

Have a look what the booklet for
XYZ(34.7552, 22.5077, 2.5126)
contains.

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Color

**XYZ(34.7718, 22.5174,
2.5136)**

Conversions

Conversions Part 1

Format	Color
Hex	E35300
RGB	227, 83, 0
RGB Percent	89%, 33%, 0%
CMY	0.1098, 0.6745, 1.0000
CMYK	0.00, 0.63, 1.00, 0.11
HSL	22°, 100%, 45%
HSV	22°, 100%, 89%
XYZ	34.7718, 22.5174, 2.5136
YIQ	116.5940, 112.4670, 4.7150

Conversions

Conversions Part 2

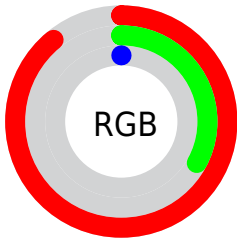
Format	Color
R_{YB}	227, 131, 0
Decimal	14897920
CIE Lab	54.57, 53.41, 64.73
CIE LCh	55, 83.921, 50.471
Yxy	22.5174, 0.5814, 0.3765
Android (android.graphics.Color)	4293088000 (0xFFE35300)
YUV	116.5940, -57.4808, 96.8261
Hunter-Lab	47.4525, 47.7577, 30.0761

Details

The XYZ color **34.7718, 22.5174, 2.5136** 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 **23.8373, 25.4906, 76.3362**, and the grayscale version is **16.9317, 17.8135, 19.3989**.

A 20% lighter version of the original color is **51.2257, 39.7958, 9.6841**, and **15.3912, 8.3603, 0.8025** is the 20% darker color. If you saturate the color by 10%, you get **34.7721, 22.5183, 2.5138**, and if you desaturate by 10%, it is **36.1425, 25.0165, 3.7189**.

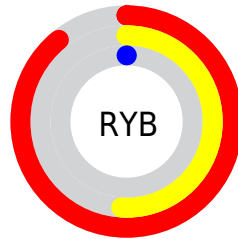
Distribution



Red (89%)

Green (33%)

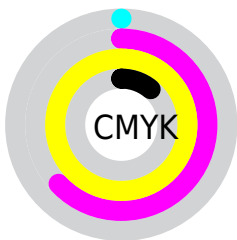
Blue (0%)



Red (89%)

Yellow (51%)

Blue (0%)

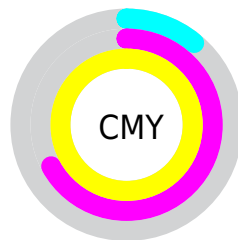


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (67%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7718, 22.5174, 2.5136 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 34.7718, 22.5174, 2.5136 by changing the saturation by 10% instead.


 34.7718, 22.5174,
2.5136


 34.7718, 22.5174,
2.5136


315.0856,
265.2365, 129.9017


 23.6528, 14.2376,
0.8473


 66.4685, 47.5997,
10.4026


 15.1996, 8.2861,
0.0000


 87.7768, 65.1709,
17.4671

 9.0468, 4.2785,
0.0000


 113.2124, 86.6081,
27.1696

 4.8291, 1.8306,
0.0000

 143.1406,
112.2955, 39.9287

 2.1811, 0.5061,
0.0000

 177.9266,
142.6177, 56.1629


 0.7327, 0.0000,
0.0000


 217.9359,


 0.0000, 0.0000,


177.9590, 76.2908


0.0000


 263.5338,
218.7038, 100.7309


 34.7718, 22.5174,
2.5136


 34.7718, 22.5174,
2.5136


 34.7721, 22.5183,
2.5138

 36.1425, 25.0165,
3.7189

 37.9327, 28.0693,
5.9422

 40.2122, 31.7241,
9.4894

 43.0251, 36.0165,
14.5374

 46.4096, 40.9789,
21.2354

■ 50.4001, 46.6409,
29.7146

■ 55.0277, 53.0302,
40.0924

■ 60.3214, 60.1729,
52.4765

■ 66.3081, 68.0936,
66.9661

Harmonies

Analogous

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



42.6557, 22.5174, 10.7113



34.7718, 22.5174, 2.5136



24.4706, 22.5174, 0.7919

Triad

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



34.7718, 22.5174, 2.5136



8.2549, 22.5174, 17.0416



28.2139, 22.5174, 109.3680

Complementary

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



34.7718, 22.5174, 2.5136



23.8373, 25.4906, 76.3362

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.



18.6015, 22.5174, 116.2932



34.7718, 22.5174, 2.5136



8.7268, 22.5174, 46.8828

Square

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



34.7718, 22.5174, 2.5136



10.4407, 22.5174, 4.3292



11.9917, 22.5174, 88.1516



38.1779, 22.5174, 73.0540

Rectangle

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



34.7718, 22.5174, 2.5136



18.3417, 22.5174, 0.8086



11.9917, 22.5174, 88.1516



24.7853, 22.5174, 115.8852

Sweetspot

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



34.7723, 22.5187, 2.5140



71.5117, 68.8656, 51.9065



36.9881, 18.4548, 29.4435



14.7386, 13.9611, 9.8210



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.



34.7723, 22.5187, 2.5140



45.1760, 29.1320, 3.2420



50.7372, 54.4485, 7.8356



14.8064, 15.2266, 15.0631



20.3810, 13.3362, 1.4999



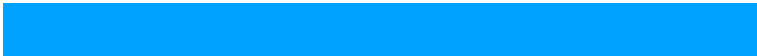
1.5922, 1.1578, 0.1396

Inverse Universe

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



23.8373, 25.4906, 76.3362



30.9270, 32.9740, 99.3423



14.4386, 6.6931, 73.2033



14.3411, 15.4037, 18.3617



14.0168, 15.0956, 44.5582



1.1236, 1.2910, 3.3219

Previews

White Background



This preview shows how the XYZ color 34.7718, 22.5174, 2.5136 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 34.7718, 22.5174, 2.5136 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 34.7718, 22.5174, 2.5136

Background



This preview shows how black text looks on a background with the XYZ color 34.7718, 22.5174, 2.5136.



This preview shows how white text looks on a background with the XYZ color 34.7718, 22.5174,

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

34.7718, 22.5174, 2.5136

Protanopia

20.4837, 22.5904, 4.0914

Deuteranopia

22.8507, 22.6666, 3.1707



Tritanopia

36.4900, 22.5750, 10.4168

Trichromacy



Original Color

34.7718, 22.5174, 2.5136

Protanomaly

24.2350, 21.4162, 3.3084

Deuteranomaly

26.3150, 21.8432, 2.8292

Tritanomaly

35.4107, 22.3339, 5.6933

Monochromacy



Original Color

34.7718, 22.5174, 2.5136

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

20.1922, 17.7657, 8.8434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7718, 22.5174, 2.5136 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, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 83, 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, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 83, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.7718, 22.5174, 2.5136 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, 83, 0) }
```


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

```
.border{ border-color:rgb(227, 83, 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, 83, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 83, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.7718, 22.5174, 2.5136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 83, 0) }
```

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

```
.background{ background-color: rgb(227, 83,  
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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