

Converting Colors

XYZ(32.8117, 24.4004, 2.3645)

Have a look what the booklet for
XYZ(32.8117, 24.4004, 2.3645)
contains.

XYZ(33.0759, 24.5502, 2.9954)	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(33.0759, 24.5502,
2.9954)**

Conversions

Conversions Part 1

Format	Color
Hex	D76900
RGB	215, 105, 0
RGB Percent	84%, 41%, 0%
CMY	0.1569, 0.5882, 1.0000
CMYK	0.00, 0.51, 1.00, 0.16
HSL	29°, 100%, 42%
HSV	29°, 100%, 84%
XYZ	33.0759, 24.5502, 2.9954
YIQ	125.9200, 99.2650, -9.3350

Conversions

Conversions Part 2

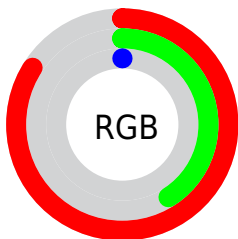
Format	Color
R _Y B	215, 205, 0
Decimal	14117120
CIE Lab	56.63, 38.61, 64.86
CIE LCh	57, 75.480, 59.233
Yxy	24.5502, 0.5456, 0.4050
Android (android.graphics.Color)	4292307200 (0xFFD76900)
YUV	125.9200, -62.0786, 78.1232
Hunter-Lab	49.5482, 32.4485, 31.0994

Details

The XYZ color **33.0759, 24.5502, 2.9954** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **17.8416, 16.0581, 66.4486**, and the grayscale version is **19.9858, 21.0267, 22.8980**.

A 20% lighter version of the original color is **54.4502, 46.1071, 11.1840**, and **14.4560, 9.4106, 1.0545** is the 20% darker color. If you saturate the color by 10%, you get **33.0760, 24.5508, 2.9955**, and if you desaturate by 10%, it is **34.4104, 26.9953, 4.1314**.

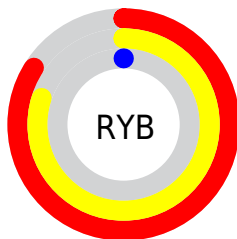
Distribution



Red (84%)

Green (41%)

Blue (0%)



Red (84%)

Yellow (80%)

Blue (0%)

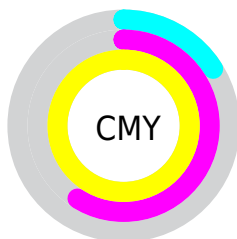


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0759, 24.5502, 2.9954 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 33.0759, 24.5502, 2.9954 by changing the saturation by 10% instead.


 33.0759, 24.5502,
2.9954


 33.0759, 24.5502,
2.9954


307.6505,
275.5904, 136.3020


 22.3441, 15.7423,
1.0923


 63.8479, 50.9266,
11.6171

 14.2280, 9.3420,
0.0000


 84.6188, 69.2638,
19.1727

 8.3622, 4.9649,
0.0000


 109.4668, 91.5462,
29.4496

 4.3813, 2.2267,
0.0000

 138.7573,
118.1583, 42.8664

 1.9200, 0.7345,
0.0000

 172.8555,
149.4843, 59.8414


 0.5884, 0.0000,
0.0000


 212.1269,


 0.0000, 0.0000,


185.9088, 80.7933


0.0000


 256.9368,
227.8160, 106.1407


 33.0759, 24.5502,
2.9954


 33.0759, 24.5502,
2.9954


 33.0760, 24.5508,
2.9955

 34.4104, 26.9953,
4.1314

 36.0505, 29.8018,
6.1384

 38.0533, 33.0016,
9.2908

 40.4524, 36.6156,
13.7410

 43.2764, 40.6625,
19.6179

■ 46.5508, 45.1597,
27.0345

■ 50.2988, 50.1230,
36.0923

■ 54.5420, 55.5674,
46.8840

■ 59.3001, 61.5072,
59.4956

Harmonies

Analogous

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



41.3772, 24.5502, 9.3927



33.0759, 24.5502, 2.9954



23.5608, 24.5502, 1.6768

Triad

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



33.0759, 24.5502, 2.9954



10.2001, 24.5502, 26.0894



32.5848, 24.5502, 94.9818

Complementary

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



33.0759, 24.5502, 2.9954



17.8416, 16.0581, 66.4486

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.



23.1091, 24.5502, 110.0379



33.0759, 24.5502, 2.9954



11.4880, 24.5502, 57.9652

Square

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



33.0759, 24.5502, 2.9954



11.6294, 24.5502, 8.8458



15.7220, 24.5502, 93.4836



41.0472, 24.5502, 59.8624

Rectangle

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



33.0759, 24.5502, 2.9954



18.2046, 24.5502, 2.1390



15.7220, 24.5502, 93.4836



29.3469, 24.5502, 103.2638

Sweetspot

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



33.0764, 24.5516, 2.9958



73.8467, 73.5354, 52.6848



30.8982, 15.5967, 16.4459



15.2869, 15.0577, 10.0038



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.



33.0764, 24.5516, 2.9958



48.5154, 35.8108, 4.3551



51.4219, 61.2425, 9.1110



12.9189, 13.4121, 13.0686



19.8891, 14.8953, 1.8268



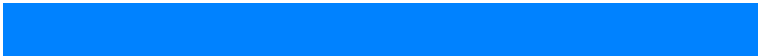
1.2823, 1.0639, 0.1378

Inverse Universe

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



17.8416, 16.0581, 66.4486



26.0941, 23.3081, 97.7314



12.3047, 4.9842, 64.6030



12.2627, 13.0487, 15.8099



10.7778, 9.8173, 39.7800



0.7328, 0.7577, 2.4269

Previews

White Background



This preview shows how the XYZ color 33.0759, 24.5502, 2.9954 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 33.0759, 24.5502, 2.9954 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 33.0759, 24.5502, 2.9954

Background



This preview shows how black text looks on a background with the XYZ color 33.0759, 24.5502, 2.9954.



This preview shows how white text looks on a background with the XYZ color 33.0759, 24.5502,

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

33.0759, 24.5502, 2.9954

Protanopia

22.3896, 24.8084, 4.2245

Deuteranopia

24.8635, 24.4712, 3.4130



Tritanopia

35.7798, 24.6403, 15.9669

Trichromacy



Original Color

33.0759, 24.5502, 2.9954

Protanomaly

25.3045, 23.9239, 3.6319

Deuteranomaly

27.4555, 24.1243, 3.2094

Tritanomaly

34.2523, 24.4524, 8.0687

Monochromacy



Original Color

33.0759, 24.5502, 2.9954

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

22.0270, 20.8052, 10.4443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0759, 24.5502, 2.9954 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(215, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(215, 105, 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(215, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 105, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.0759, 24.5502, 2.9954 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(215, 105, 0) }
```


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

```
.border{ border-color:rgb(215, 105, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(215, 105,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0759, 24.5502, 2.9954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 105, 0) }
```

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

```
.background{ background-color: rgb(215,  
105, 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