

Converting Colors

XYZ(33.9500, 24.8405, 3.4573)

Have a look what the booklet for
XYZ(33.9500, 24.8405, 3.4573)
contains.

XYZ(33.9500, 24.8405, 3.4573)	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(33.9500, 24.8405,
3.4573)**

Conversions

Conversions Part 1

Format	Color
Hex	DA680F
RGB	218, 104, 15
RGB Percent	85%, 41%, 6%
CMY	0.1451, 0.5921, 0.9412
CMYK	0.00, 0.52, 0.93, 0.15
HSL	26°, 87%, 46%
HSV	26°, 93%, 85%
XYZ	33.9500, 24.8405, 3.4573
YIQ	127.9400, 96.5130, -3.5110

Conversions

Conversions Part 2

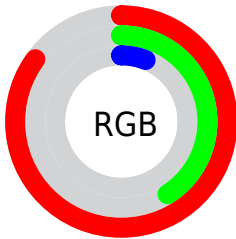
Format	Color
R _Y B	218, 173, 15
Decimal	14313487
CIE Lab	56.92, 40.45, 62.39
CIE LCh	57, 74.358, 57.042
Yxy	24.8405, 0.5454, 0.3991
Android (android.graphics.Color)	4292503567 (0xFFDA680F)
YUV	127.9400, -55.6794, 78.9826
Hunter-Lab	49.8402, 34.3696, 30.7754

Details

The XYZ color **33.9500, 24.8405, 3.4573** is a dark color, and the websafe version is hex **CC6600**, and the color name is **metallic orange**. The color can be described as dark washed orange. A complement of this color would be **20.7019, 20.8635, 69.2652**, and the grayscale version is **20.6616, 21.7376, 23.6722**.

A 20% lighter version of the original color is **54.4996, 45.8550, 12.2818**, and **14.9834, 9.6141, 1.0660** is the 20% darker color. If you saturate the color by 10%, you get **33.0580, 23.1947, 2.7347**, and if you desaturate by 10%, it is **35.5183, 27.5859, 5.1869**.

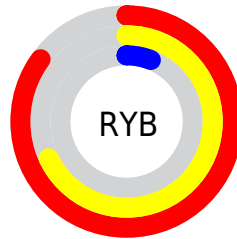
Distribution



Red (85%)

Green (41%)

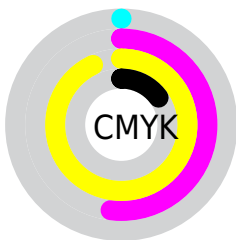
Blue (6%)



Red (85%)

Yellow (68%)

Blue (6%)

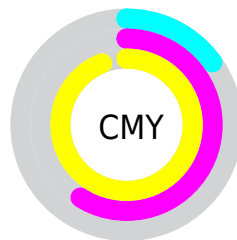


Cyan (0%)

Magenta (52%)

Yellow (93%)

Black (15%)



Cyan (15%)


Magenta (59%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9500, 24.8405, 3.4573 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 33.9500, 24.8405, 3.4573 by changing the saturation by 10% instead.


 33.9500, 24.8405,
3.4573


 33.9500, 24.8405,
3.4573


311.4989,
277.0427, 141.9875


 23.0179, 15.9583,
1.3326


 65.2007, 51.3984,
12.7374


 14.7275, 9.4946,
0.0883


 86.2500, 69.8428,
20.7299

 8.7134, 5.0652,
0.0000


 111.4025, 92.2433,
31.5155

 4.6103, 2.2856,
0.0000

 141.0234,
118.9845, 45.5126

 2.0529, 0.7661,
0.0000

 175.4781,
150.4506, 63.1398


 0.6634, 0.0000,
0.0000


 215.1321,


 0.0000, 0.0000,


187.0261, 84.8156


0.0000


 260.3505,
229.0953, 110.9587


 33.9500, 24.8405,
3.4573


 33.9500, 24.8405,
3.4573


 33.0580, 23.1947,
2.7347

 35.5183, 27.5859,
5.1869

 37.4758, 30.7837,
8.0509

 39.8618, 34.4615,
12.2190

 42.7088, 38.6429,
17.8317

 46.0459, 43.3491,
25.0109

■ 49.8993, 48.6003,
33.8656

■ 54.2930, 54.4150,
44.4948

■ 59.2496, 60.8110,
56.9899

■ 64.7900, 67.8051,
71.4358

Harmonies

Analogous

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



41.9009, 24.8405, 10.5697



33.9500, 24.8405, 3.4573



24.4855, 24.8405, 1.8552

Triad

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



33.9500, 24.8405, 3.4573



10.5180, 24.8405, 24.6452



32.0773, 24.8405, 96.2617

Complementary

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



33.9500, 24.8405, 3.4573



20.7019, 20.8635, 69.2652

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.



22.7559, 24.8405, 108.8551



33.9500, 24.8405, 3.4573



11.6092, 24.8405, 55.2581

Square

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



33.9500, 24.8405, 3.4573



12.1563, 24.8405, 8.4385



15.6169, 24.8405, 90.6030



40.6460, 24.8405, 62.4568

Rectangle

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



33.9500, 24.8405, 3.4573



19.0319, 24.8405, 2.2190



15.6169, 24.8405, 90.6030



28.8694, 24.8405, 103.7668

Sweetspot

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



33.9505, 24.8419, 3.4577



74.1261, 73.2564, 55.3609



33.1158, 16.8598, 22.6404



15.2990, 14.9246, 10.4927



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.



33.9505, 24.8419, 3.4577



47.0125, 32.8050, 3.8542



50.7034, 58.3477, 9.0420



13.5234, 13.9862, 13.7124



19.9084, 14.1024, 1.6727



1.3746, 1.0832, 0.1366

Inverse Universe

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



20.7019, 20.8635, 69.2652



27.9020, 26.9241, 98.3340



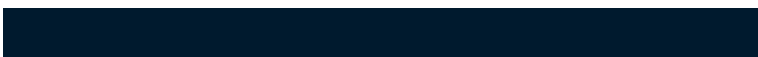
13.2800, 6.0198, 66.7912



12.9422, 13.8242, 16.6383



11.8909, 11.6513, 41.3606



0.8556, 0.9253, 2.7080

Previews

White Background



This preview shows how the XYZ color 33.9500, 24.8405, 3.4573 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 33.9500, 24.8405, 3.4573 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 33.9500, 24.8405, 3.4573

Background



This preview shows how black text looks on a background with the XYZ color 33.9500, 24.8405, 3.4573.



This preview shows how white text looks on a background with the XYZ color 33.9500, 24.8405,

3.4573.

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

33.9500, 24.8405, 3.4573

Protanopia

22.4476, 24.8315, 4.5296

Deuteranopia

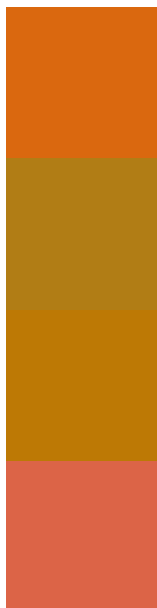
25.2162, 24.8495, 3.4674



Tritanopia

36.5417, 24.9008, 15.7123

Trichromacy



Original Color

33.9500, 24.8405, 3.4573

Protanomaly

25.6004, 24.0685, 4.0059

Deuteranomaly

27.8510, 24.5045, 3.4055

Tritanomaly

35.2097, 24.7849, 8.8894

Monochromacy



Original Color

33.9500, 24.8405, 3.4573

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.0151, 21.4588, 11.9458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9500, 24.8405, 3.4573 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(218, 104, 15)` looks like.

```
.text, #text, p{  
    color:rgb(218, 104, 15)  
}
```

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(218, 104, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 104, 15) }
```

Border

The CSS property to change the border of an element to XYZ 33.9500, 24.8405, 3.4573 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(218, 104, 15) }
```


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

```
.border{ border-color:rgb(218, 104, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 104, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 104, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 104, 15);  
box-shadow:4px 4px 4px 4px rgb(218, 104,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9500, 24.8405, 3.4573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 104, 15) }
```

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

```
.background{ background-color: rgb(218,  
104, 15) }
```

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