

Converting Colors

XYZ(31.4854, 25.4212, 3.8196)

Have a look what the booklet for
XYZ(31.4854, 25.4212, 3.8196)
contains.

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Color

**XYZ(31.5314, 25.5136,
3.8350)**

Conversions

Conversions Part 1

Format	Color
Hex	CD7412
RGB	205, 116, 18
RGB Percent	80%, 45%, 7%
CMY	0.1961, 0.5451, 0.9294
CMYK	0.00, 0.43, 0.91, 0.20
HSL	31°, 84%, 44%
HSV	31°, 91%, 80%
XYZ	31.5314, 25.5136, 3.8350
YIQ	131.4390, 84.5020, -11.6100

Conversions

Conversions Part 2

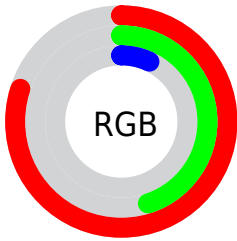
Format	Color
R_{YB}	188, 205, 18
Decimal	13464594
CIE Lab	57.57, 29.01, 61.29
CIE LCh	58, 67.808, 64.673
Yxy	25.5136, 0.5179, 0.4191
Android (android.graphics.Color)	4291654674 (0xFFCD7412)
YUV	131.4390, -55.9254, 64.5130
Hunter-Lab	50.5110, 23.0341, 30.8562

Details

The XYZ color **31.5314, 25.5136, 3.8350** 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 **16.5264, 15.0514, 59.7913**, and the grayscale version is **21.9045, 23.0452, 25.0962**.

A 20% lighter version of the original color is **56.6980, 50.1439, 13.3470**, and **13.5088, 9.9436, 1.2073** is the 20% darker color. If you saturate the color by 10%, you get **30.4800, 23.5859, 2.9461**, and if you desaturate by 10%, it is **32.9652, 27.9833, 5.5406**.

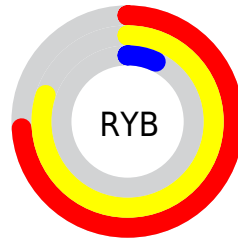
Distribution



Red (80%)

Green (45%)

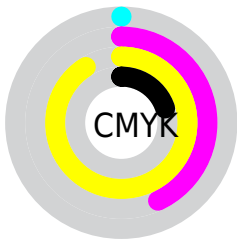
Blue (7%)



Red (74%)

Yellow (80%)

Blue (7%)

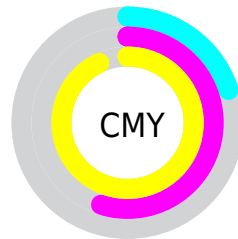


Cyan (0%)

Magenta (43%)

Yellow (91%)

Black (20%)



Cyan (20%)


Magenta (55%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5314, 25.5136, 3.8350 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 31.5314, 25.5136, 3.8350 by changing the saturation by 10% instead.

 31.5314, 25.5136,
3.8350


 31.5314, 25.5136,
3.8350


300.7624,
280.3861, 146.3734


 21.1576, 16.4601,
1.5353


 61.4459, 52.4892,
13.6274

 13.3524, 9.8503,
0.2440


 81.7174, 71.1801,
21.9571


 7.7503, 5.2998,
0.0000


 106.0188, 93.8523,
33.1340

 3.9861, 2.4242,
0.0000

 134.7155,
120.8902, 47.5764

 1.6943, 0.8383,
0.0000

 168.1728,
152.6781, 65.7031

 0.4527, 0.0000,
0.0000

 206.7562,

 0.0000, 0.0000,

189.6005, 87.9324

0.0000

250.8310,
232.0417, 114.6830

31.5314, 25.5136,
3.8350

31.5314, 25.5136,
3.8350

30.4800, 23.5859,
2.9461

32.9652, 27.9833,
5.5406

34.7027, 30.7679,
8.2481

36.7738, 33.8858,
12.0963

39.2036, 37.3522,
17.2013

42.0143, 41.1810,
23.6647

■ 45.2259, 45.3848,
31.5776

■ 48.8570, 49.9757,
41.0232

■ 52.9248, 54.9650,
52.0783

■ 57.4453, 60.3636,
64.8145

Harmonies

Analogous

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



39.4243, 25.5136, 9.3618



31.5314, 25.5136, 3.8350



23.0045, 25.5136, 2.8334

Triad

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



31.5314, 25.5136, 3.8350



11.8155, 25.5136, 31.5700



34.2195, 25.5136, 82.8851

Complementary

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



31.5314, 25.5136, 3.8350



16.5264, 15.0514, 59.7913

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.



25.5395, 25.5136, 100.0386



31.5314, 25.5136, 3.8350



13.5747, 25.5136, 61.6127

Square

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



31.5314, 25.5136, 3.8350



12.7320, 25.5136, 12.7483



18.1857, 25.5136, 90.6375



41.2027, 25.5136, 51.5273

Rectangle

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



31.5314, 25.5136, 3.8350



18.3187, 25.5136, 3.7779



18.1857, 25.5136, 90.6375



31.3403, 25.5136, 91.1106

Sweetspot

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



31.5320, 25.5150, 3.8355



76.3022, 77.1782, 57.4133



28.1204, 14.5027, 15.6124



15.9064, 15.9763, 11.1981



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.



31.5320, 25.5150, 3.8355



49.7157, 38.2115, 4.7552



46.2657, 56.2461, 8.9906



11.6907, 12.1703, 11.8124



19.0710, 14.8749, 1.8660



1.0596, 0.9188, 0.1215

Inverse Universe

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



16.5264, 15.0514, 59.7913



24.9309, 20.9819, 97.3436



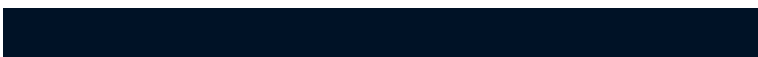
11.5476, 5.0013, 58.1138



11.0348, 11.7100, 14.2490



9.6475, 8.3190, 37.0535



0.5735, 0.5808, 1.9368

Previews

White Background



This preview shows how the XYZ color 31.5314, 25.5136, 3.8350 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 31.5314, 25.5136, 3.8350 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 31.5314, 25.5136, 3.8350

Background



This preview shows how black text looks on a background with the XYZ color 31.5314, 25.5136, 3.8350.



This preview shows how white text looks on a background with the XYZ color 31.5314, 25.5136,

3.8350.

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

31.5314, 25.5136, 3.8350

Protanopia

23.1184, 25.6033, 4.6432

Deuteranopia

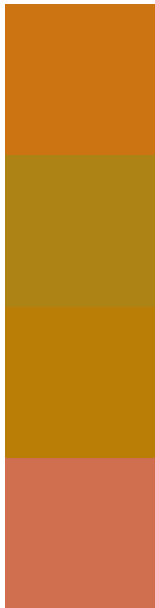
25.9305, 25.6165, 3.5778



Tritanopia

34.8094, 25.5414, 19.6183

Trichromacy



Original Color

31.5314, 25.5136, 3.8350

Protanomaly

25.7167, 25.2892, 4.2849

Deuteranomaly

27.7489, 25.3762, 3.6366

Tritanomaly

33.1448, 25.3580, 10.7371

Monochromacy



Original Color

31.5314, 25.5136, 3.8350

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.4069, 22.9290, 12.8649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5314, 25.5136, 3.8350 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(205, 116, 18)` looks like.

```
.text, #text, p{  
    color:rgb(205, 116, 18)  
}
```

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(205, 116, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 116, 18) }
```

Border

The CSS property to change the border of an element to XYZ 31.5314, 25.5136, 3.8350 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(205, 116, 18) }
```


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

```
.border{ border-color:rgb(205, 116, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 116, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 116, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 116, 18);  
box-shadow:4px 4px 4px 4px rgb(205, 116,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5314, 25.5136, 3.8350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 116, 18) }
```

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

```
.background{ background-color: rgb(205,  
116, 18) }
```

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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