

Converting Colors

XYZ(31.1006, 24.4732, 4.5679)

Have a look what the booklet for
XYZ(31.1006, 24.4732, 4.5679)
contains.

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Color

**XYZ(31.1500, 24.4635,
4.5935)**

Conversions

Conversions Part 1

Format	Color
Hex	CD6F22
RGB	205, 111, 34
RGB Percent	80%, 44%, 13%
CMY	0.1961, 0.5647, 0.8667
CMYK	0.00, 0.46, 0.83, 0.20
HSL	27°, 72%, 47%
HSV	27°, 83%, 80%
XYZ	31.1500, 24.4635, 4.5935
YIQ	130.3280, 80.7410, -4.0190

Conversions

Conversions Part 2

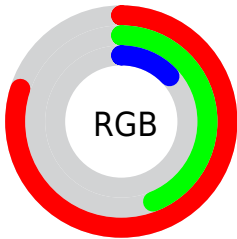
Format	Color
RYB	205, 174, 34
Decimal	13463330
CIELab	56.55, 32.02, 55.46
CIELCh	57, 64.039, 60.002
Yxy	24.4635, 0.5174, 0.4063
Android (android.graphics.Color)	4291653410 (0xFFCD6F22)
YUV	130.3280, -47.4897, 65.4873
Hunter-Lab	49.4606, 25.8623, 29.1160

Details

The XYZ color **31.1500, 24.4635, 4.5935** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark muted orange. A complement of this color would be **19.3977, 20.1850, 60.6309**, and the grayscale version is **21.4782, 22.5967, 24.6078**.

A 20% lighter version of the original color is **56.1952, 48.4828, 15.2004**, and **13.1703, 9.2668, 1.0945** is the 20% darker color. If you saturate the color by 10%, you get **29.7847, 22.0736, 3.0888**, and if you desaturate by 10%, it is **32.8477, 27.2367, 7.0782**.

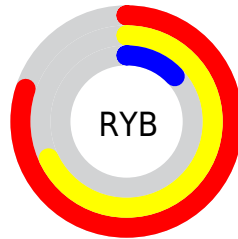
Distribution



Red (80%)

Green (44%)

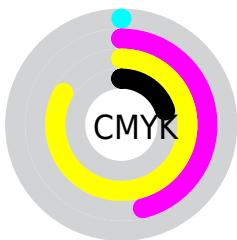
Blue (13%)



Red (80%)

Yellow (68%)

Blue (13%)

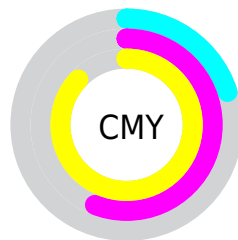


Cyan (0%)

Magenta (46%)

Yellow (83%)

Black (20%)



Cyan (20%)


Magenta (56%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1500, 24.4635, 4.5935 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 31.1500, 24.4635, 4.5935 by changing the saturation by 10% instead.


 31.1500, 24.4635,
4.5935


 31.1500, 24.4635,
4.5935


299.0433,
275.1555, 154.6099


 20.8655, 15.6778,
1.9563


 60.8504, 50.7855,
15.3569


 13.1376, 9.2964,
0.5282


 80.9970, 69.0906,
24.3202


 7.6010, 4.9350,
0.0000


 105.1616, 91.3377,
36.2293

 3.8904, 2.2092,
0.0000

 133.7097,
117.9110, 51.5026

 1.6403, 0.7250,
0.0000

 167.0066,
149.1951, 70.5588

 0.4185, 0.0000,
0.0000

 205.4175,

 0.0000, 0.0000,

185.5742, 93.8164

0.0000

249.3080,
227.4329, 121.6939

■ 31.1500, 24.4635,
4.5935

■ 31.1500, 24.4635,
4.5935

■ 29.7847, 22.0736,
3.0888

■ 32.8477, 27.2367,
7.0782

■ 29.0312, 20.6882,
2.4631

■ 34.9088, 30.4112,
10.6871

■ 37.3617, 34.0076,
15.5415

■ 40.2310, 38.0437,
21.7464

■ 43.5389, 42.5360,
29.3956

■ 47.3059, 47.5000,
38.5744

■ 51.5511, 52.9504,
49.3612

■ 56.2922, 58.9010,
61.8294

■ 61.5463, 65.3652,
76.0474

Harmonies

Analogous

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



37.9463, 24.4635, 10.9698



31.1500, 24.4635, 4.5935



23.2513, 24.4635, 3.0962

Triad

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



31.1500, 24.4635, 4.5935



11.6925, 24.4635, 26.6382



31.1512, 24.4635, 80.0953

Complementary

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



31.1500, 24.4635, 4.5935



19.3977, 20.1850, 60.6309

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.



23.2524, 24.4635, 92.0670



31.1500, 24.4635, 4.5935



12.9452, 24.4635, 52.7774

Square

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



31.1500, 24.4635, 4.5935



12.9448, 24.4635, 10.9713



16.8161, 24.4635, 80.0986



37.9471, 24.4635, 52.7729

Rectangle

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



31.1500, 24.4635, 4.5935



18.6998, 24.4635, 3.7220



16.8161, 24.4635, 80.0986



28.4884, 24.4635, 86.5400

Sweetspot

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



31.1505, 24.4648, 4.5939



76.2537, 76.1970, 60.1231



29.6484, 15.6831, 21.9041



15.8439, 15.6822, 11.6982



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.



31.1505, 24.4648, 4.5939



47.3516, 33.4833, 3.9672



45.3069, 52.7775, 9.3127



11.6214, 12.0317, 11.7893



18.1653, 13.0636, 1.5641



1.0125, 0.8247, 0.1058

Inverse Universe

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



19.3977, 20.1850, 60.6309



27.4526, 26.0252, 98.1842



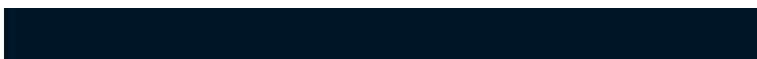
12.5268, 6.4432, 58.3406



11.1043, 11.8491, 14.2722



10.6104, 10.2448, 37.3745



0.6225, 0.6788, 1.9532

Previews

White Background



This preview shows how the XYZ color 31.1500, 24.4635, 4.5935 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 31.1500, 24.4635, 4.5935 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 31.1500, 24.4635, 4.5935

Background



This preview shows how black text looks on a background with the XYZ color 31.1500, 24.4635, 4.5935.



This preview shows how white text looks on a background with the XYZ color 31.1500, 24.4635,

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

31.1500, 24.4635, 4.5935

Protanopia

22.3413, 24.5407, 5.6571

Deuteranopia

25.0390, 24.5414, 4.3370



Tritanopia

33.8320, 24.4582, 17.9767

Trichromacy



Original Color

31.1500, 24.4635, 4.5935

Protanomaly

24.9525, 24.0893, 5.1683

Deuteranomaly

26.9363, 24.1933, 4.3487

Tritanomaly

32.5512, 24.4053, 11.1787

Monochromacy



Original Color

31.1500, 24.4635, 4.5935

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.0531, 22.1602, 13.8888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1500, 24.4635, 4.5935 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, 111, 34)` looks like.

```
.text, #text, p{  
    color:rgb(205, 111, 34)  
}
```

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, 111, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 111, 34) }
```

Border

The CSS property to change the border of an element to XYZ 31.1500, 24.4635, 4.5935 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, 111, 34) }
```


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

```
.border{ border-color:rgb(205, 111, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 111, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 111, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 111, 34);  
box-shadow:4px 4px 4px 4px rgb(205, 111,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1500, 24.4635, 4.5935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 111, 34) }
```

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

```
.background{ background-color: rgb(205,  
111, 34) }
```

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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