

Converting Colors

XYZ(31.8038, 25.3835, 9.0017)

Have a look what the booklet for
XYZ(31.8038, 25.3835, 9.0017)
contains.

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Color

**XYZ(31.8648, 25.4002,
9.0176)**

Conversions

Conversions Part 1

Format	Color
Hex	CB7346
RGB	203, 115, 70
RGB Percent	80%, 45%, 27%
CMY	0.2039, 0.5490, 0.7255
CMYK	0.00, 0.43, 0.66, 0.20
HSL	20°, 56%, 54%
HSV	20°, 66%, 80%
XYZ	31.8648, 25.4002, 9.0176
YIQ	136.1820, 66.8930, 4.6610

Conversions

Conversions Part 2

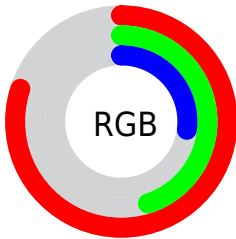
Format	Color
R_{YB}	203, 138, 70
Decimal	13333318
CIE _{Lab}	57.46, 30.69, 39.48
CIE _{LCh}	57, 50.009, 52.140
Yxy	25.4002, 0.4807, 0.3832
Android (android.graphics.Color)	4291523398 (0xFFCB7346)
YUV	136.1820, -32.6277, 58.5994
Hunter-Lab	50.3986, 24.6600, 24.6705

Details

The XYZ color **31.8648, 25.4002, 9.0176** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **25.5312, 30.0657, 60.9571**, and the grayscale version is **23.5716, 24.7992, 27.0063**.

A 20% lighter version of the original color is **58.6328, 50.6213, 24.4499**, and **13.5466, 9.7717, 1.9828** is the 20% darker color. If you saturate the color by 10%, you get **29.9075, 22.3437, 5.7204**, and if you desaturate by 10%, it is **34.2630, 28.9923, 13.5304**.

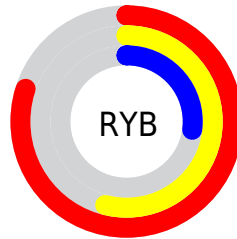
Distribution



Red (80%)

Green (45%)

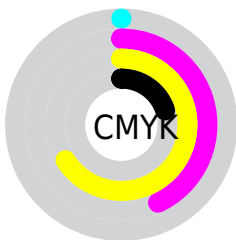
Blue (27%)



Red (80%)

Yellow (54%)

Blue (27%)

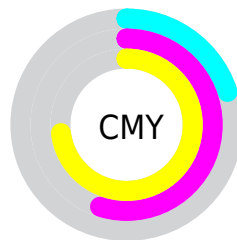


Cyan (0%)

Magenta (43%)

Yellow (66%)

Black (20%)



Cyan (20%)


Magenta (55%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8648, 25.4002, 9.0176 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 31.8648, 25.4002, 9.0176 by changing the saturation by 10% instead.

 31.8648, 25.4002,
9.0176


 31.8648, 25.4002,
9.0176


302.2592,
279.8251, 193.7320

 21.4133, 16.3755,
4.6557


 61.9657, 52.3057,
24.5088


 13.5406, 9.7902,
1.9915


 82.3458, 70.9553,
36.4751


 7.8814, 5.2601,
0.5501

 106.7662, 93.5820,
51.8134

 4.0703, 2.4007,
0.0000

 135.5921,
120.5701, 70.9421

 1.7420, 0.8262,
0.0000

 169.1891,
152.3041, 94.2798

 0.4823, 0.0000,
0.0000

207.9223,

 0.0000, 0.0000,

189.1683, 122.2449

0.0000

252.1572,
231.5472, 155.2562

■ 31.8648, 25.4002,
9.0176

■ 31.8648, 25.4002,
9.0176

■ 29.9075, 22.3437,
5.7204

■ 34.2630, 28.9923,
13.5304

■ 28.3568, 19.7904,
3.5140

■ 37.1290, 33.1420,
19.3642

■ 27.1750, 17.7098,
2.2474

■ 40.4895, 37.8745,
26.6141

■ 26.7377, 16.9149,
1.8557

■ 44.3683, 43.2125,
35.3662

■ 48.7876, 49.1771,
45.6997

■ 53.7684, 55.7886,
57.6879

■ 59.3304, 63.0662,
71.4000

■ 65.4923, 71.0282,
86.9007

■ 72.2719, 79.6923,
104.2517

Harmonies

Analogous

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



36.3627, 25.4002, 17.0568



31.8648, 25.4002, 9.0176



25.7405, 25.4002, 6.2430

Triad

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



31.8648, 25.4002, 9.0176



14.4914, 25.4002, 23.4139



28.7145, 25.4002, 70.4499

Complementary

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



31.8648, 25.4002, 9.0176



25.5312, 30.0657, 60.9571

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.



22.6113, 25.4002, 74.4544



31.8648, 25.4002, 9.0176



15.0214, 25.4002, 41.9302

Square

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



31.8648, 25.4002, 9.0176



16.1906, 25.4002, 12.0296



17.7804, 25.4002, 62.4197



34.3457, 25.4002, 53.0274

Rectangle

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



31.8648, 25.4002, 9.0176



21.8157, 25.4002, 6.4018



17.7804, 25.4002, 62.4197



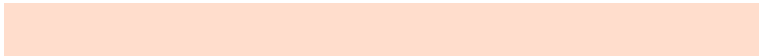
26.6283, 25.4002, 73.6355

Sweetspot

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



31.8654, 25.4015, 9.0181



78.0637, 77.4688, 67.9653



33.0478, 19.5685, 34.6847



16.2644, 15.9803, 13.5121



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.



31.8654, 25.4015, 9.0181



48.8203, 35.3721, 7.6893



42.2239, 46.1185, 12.4709



11.5174, 11.8238, 11.7546



17.0920, 10.9169, 1.2063



0.9518, 0.7032, 0.0856

Inverse Universe

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



25.5312, 30.0657, 60.9571



37.2819, 43.4611, 101.0316



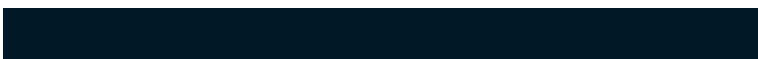
17.1470, 13.2973, 58.1624



11.2111, 12.0627, 14.3078



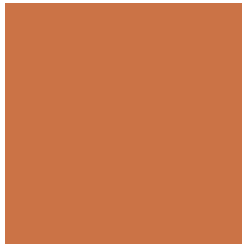
12.3996, 13.8231, 37.9709



0.7081, 0.8500, 1.9817

Previews

White Background



This preview shows how the XYZ color 31.8648, 25.4002, 9.0176 looks on a white background.

Color Contrast Check

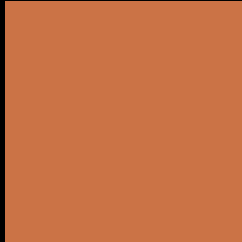
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8648, 25.4002, 9.0176 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 31.8648, 25.4002, 9.0176

Background



This preview shows how black text looks on a background with the XYZ color 31.8648, 25.4002, 9.0176.



This preview shows how white text looks on a background with the XYZ color 31.8648, 25.4002,

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

31.8648, 25.4002, 9.0176

Protanopia

23.5567, 25.6907, 10.9250

Deuteranopia

26.0292, 25.5538, 8.7147



Tritanopia

34.1331, 25.3434, 19.9224

Trichromacy



Original Color

31.8648, 25.4002, 9.0176

Protanomaly

26.0472, 25.1312, 10.1346

Deuteranomaly

28.0024, 25.3942, 8.7359

Tritanomaly

33.1615, 25.2681, 15.1860

Monochromacy



Original Color

31.8648, 25.4002, 9.0176

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.1410, 24.0818, 18.6524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8648, 25.4002, 9.0176 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(203, 115, 70)` looks like.

```
.text, #text, p{  
    color:rgb(203, 115, 70)  
}
```

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(203, 115, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 115, 70) }
```

Border

The CSS property to change the border of an element to XYZ 31.8648, 25.4002, 9.0176 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(203, 115, 70) }
```


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

```
.border{ border-color:rgb(203, 115, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 115, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 115, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 115, 70);  
box-shadow:4px 4px 4px 4px rgb(203, 115,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8648, 25.4002, 9.0176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 115, 70) }
```

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

```
.background{ background-color: rgb(203,  
115, 70) }
```

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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