

Converting Colors

XYZ(31.7381, 24.9214, 8.3385)

Have a look what the booklet for
XYZ(31.7381, 24.9214, 8.3385)
contains.

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Color

**XYZ(31.6794, 24.8191,
8.2751)**

Conversions

Conversions Part 1

Format	Color
Hex	CC7042
RGB	204, 112, 66
RGB Percent	80%, 44%, 26%
CMY	0.2000, 0.5608, 0.7412
CMYK	0.00, 0.45, 0.68, 0.20
HSL	20°, 57%, 53%
HSV	20°, 68%, 80%
XYZ	31.6794, 24.8191, 8.2751
YIQ	134.2640, 69.5980, 5.1980

Conversions

Conversions Part 2

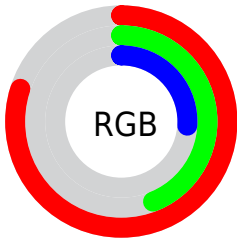
Format	Color
R_{YB}	204, 135, 66
Decimal	13398082
CIE _{Lab}	56.90, 32.45, 40.97
CIE _{LCh}	57, 52.266, 51.619
Yxy	24.8191, 0.4891, 0.3832
Android (android.graphics.Color)	4291588162 (0xFFCC7042)
YUV	134.2640, -33.6542, 61.1585
Hunter-Lab	49.8188, 26.3240, 25.0248

Details

The XYZ color **31.6794, 24.8191, 8.2751** 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 **25.3718, 29.9697, 61.5739**, and the grayscale version is **22.8600, 24.0505, 26.1910**.

A 20% lighter version of the original color is **57.8475, 49.4312, 23.0153**, and **13.5172, 9.5120, 1.7397** is the 20% darker color. If you saturate the color by 10%, you get **29.7929, 21.8432, 5.1897**, and if you desaturate by 10%, it is **34.0081, 28.3367, 12.5662**.

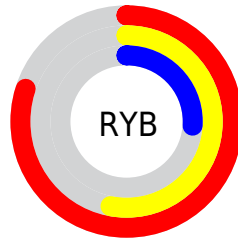
Distribution



Red (80%)

Green (44%)

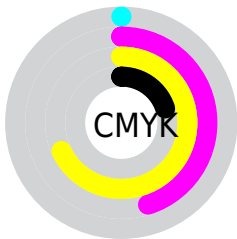
Blue (26%)



Red (80%)

Yellow (53%)

Blue (26%)

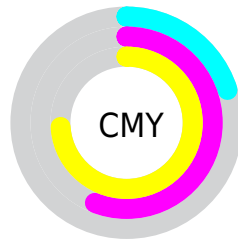


Cyan (0%)

Magenta (45%)

Yellow (68%)

Black (20%)



Cyan (20%)


Magenta (56%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6794, 24.8191, 8.2751 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 31.6794, 24.8191, 8.2751 by changing the saturation by 10% instead.


 31.6794, 24.8191,
8.2751


 31.6794, 24.8191,
8.2751


301.4275,
276.9358, 187.8886

 21.2711, 15.9423,
4.1812


 61.6767, 51.3636,
23.0510


 13.4359, 9.4834,
1.7253


 81.9965, 69.8001,
34.5701

 7.8085, 5.0578,
0.3780


 106.3508, 92.1920,
49.4013

 4.0234, 2.2812,
0.0000

 135.1049,
118.9237, 67.9633

 1.7154, 0.7637,
0.0000

 168.6243,
150.3795, 90.6744

 0.4659, 0.0000,
0.0000

207.2743,

 0.0000, 0.0000,

186.9439, 117.9533

0.0000

251.4203,
229.0012, 150.2185

■ 31.6794, 24.8191,
8.2751

■ 31.6794, 24.8191,
8.2751

■ 29.7929, 21.8432,
5.1897

■ 34.0081, 28.3367,
12.5662

■ 28.3128, 19.3752,
3.1787

■ 36.8074, 32.4192,
18.1727

■ 27.1946, 17.3809,
2.0594

■ 40.1047, 37.0931,
25.1934

■ 26.9693, 16.9725,
1.8546

■ 43.9250, 42.3819,
33.7171

■ 48.2913, 48.3078,
43.8254

■ 53.2252, 54.8917,
55.5937

■ 58.7470, 62.1536,
69.0929

■ 64.8761, 70.1126,
84.3896

■ 71.6308, 78.7871,
101.5467

Harmonies

Analogous

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



36.3127, 24.8191, 16.4088



31.6794, 24.8191, 8.2751



25.3475, 24.8191, 5.5108

Triad

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



31.6794, 24.8191, 8.2751



13.7553, 24.8191, 22.4018



28.1980, 24.8191, 72.0423

Complementary

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



31.6794, 24.8191, 8.2751



25.3718, 29.9697, 61.5739

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.



21.9153, 24.8191, 75.9792



31.6794, 24.8191, 8.2751



14.2514, 24.8191, 41.4447

Square

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



31.6794, 24.8191, 8.2751



15.5131, 24.8191, 11.0312



17.0099, 24.8191, 63.0017



34.0729, 24.8191, 53.8251

Rectangle

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



31.6794, 24.8191, 8.2751



21.2976, 24.8191, 5.6262



17.0099, 24.8191, 63.0017



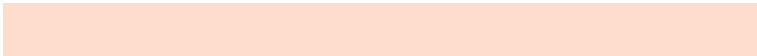
26.0409, 24.8191, 75.3222

Sweetspot

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



31.6800, 24.8204, 8.2755



77.9961, 77.3337, 67.9428



33.0215, 19.2025, 34.3138



16.2483, 15.9482, 13.5068



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.



31.6800, 24.8204, 8.2755



48.1801, 34.2718, 6.9210



42.4089, 46.2783, 11.8519



11.5128, 11.8146, 11.7531



17.0519, 10.8368, 1.1930



0.9493, 0.6984, 0.0848

Inverse Universe

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



25.3718, 29.9697, 61.5739



36.8790, 43.0368, 100.9709



16.7183, 12.6628, 58.6894



11.2159, 12.0723, 14.3094



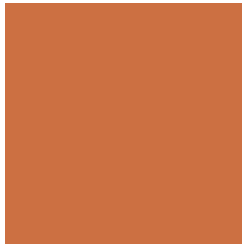
12.4893, 14.0026, 38.0008



0.7123, 0.8583, 1.9831

Previews

White Background



This preview shows how the XYZ color 31.6794, 24.8191, 8.2751 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 31.6794, 24.8191, 8.2751 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 31.6794, 24.8191, 8.2751

Background



This preview shows how black text looks on a background with the XYZ color 31.6794, 24.8191, 8.2751.



This preview shows how white text looks on a background with the XYZ color 31.6794, 24.8191,

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

31.6794, 24.8191, 8.2751

Protanopia

22.9442, 24.9650, 10.0880

Deuteranopia

25.4297, 24.8591, 8.0154



Tritanopia

33.9234, 24.7884, 18.9163

Trichromacy



Original Color

31.6794, 24.8191, 8.2751

Protanomaly

25.4341, 24.4393, 9.3380

Deuteranomaly

27.2716, 24.4699, 7.9884

Tritanomaly

32.9738, 24.7100, 14.3409

Monochromacy



Original Color

31.6794, 24.8191, 8.2751

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.5192, 23.3968, 17.6917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6794, 24.8191, 8.2751 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(204, 112, 66)` looks like.

```
.text, #text, p{  
    color:rgb(204, 112, 66)  
}
```

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(204, 112, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 112, 66) }
```

Border

The CSS property to change the border of an element to XYZ 31.6794, 24.8191, 8.2751 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(204, 112, 66) }
```


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

```
.border{ border-color:rgb(204, 112, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 112, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 112, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 112, 66);  
box-shadow:4px 4px 4px 4px rgb(204, 112,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6794, 24.8191, 8.2751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 112, 66) }
```

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

```
.background{ background-color: rgb(204,  
112, 66) }
```

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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