

Converting Colors

XYZ(31.5683, 24.7941, 16.3393)

Have a look what the booklet for
XYZ(31.5683, 24.7941, 16.3393)
contains.

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Color

**XYZ(31.4298, 24.6800,
16.2039)**

Conversions

Conversions Part 1

Format	Color
Hex	C57168
RGB	197, 113, 104
RGB Percent	77%, 44%, 41%
CMY	0.2275, 0.5568, 0.5922
CMYK	0.00, 0.43, 0.47, 0.23
HSL	6°, 44%, 59%
HSV	6°, 47%, 77%
XYZ	31.4298, 24.6800, 16.2039
YIQ	137.0900, 52.9530, 15.0090

Conversions

Conversions Part 2

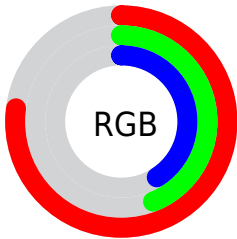
Format	Color
R _{YB}	197, 114, 104
Decimal	12939624
CIE _{Lab}	56.76, 32.13, 19.47
CIE _{LCh}	57, 37.564, 31.212
Yxy	24.6800, 0.4346, 0.3413
Android (android.graphics.Color)	4291129704 (0xFFC57168)
YUV	137.0900, -16.3134, 52.5411
Hunter-Lab	49.6790, 25.9913, 15.4365

Details

The XYZ color **31.4298, 24.6800, 16.2039** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.7694, 42.9389, 59.3315**, and the grayscale version is **23.8582, 25.1007, 27.3346**.

A 20% lighter version of the original color is **60.7926, 50.8990, 37.6307**, and **13.3312, 9.4259, 4.9876** is the 20% darker color. If you saturate the color by 10%, you get **28.7494, 20.7379, 10.9370**, and if you desaturate by 10%, it is **34.7343, 29.4964, 22.8325**.

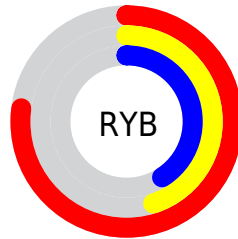
Distribution



Red (77%)

Green (44%)

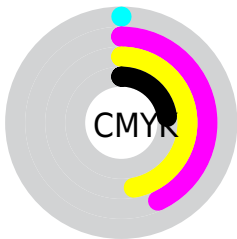
Blue (41%)



Red (77%)

Yellow (45%)

Blue (41%)

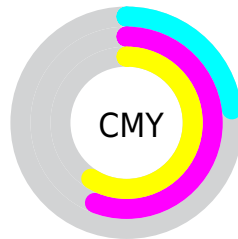


Cyan (0%)

Magenta (43%)

Yellow (47%)

Black (23%)



Cyan (23%)


Magenta (56%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4298, 24.6800, 16.2039 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 31.4298, 24.6800, 16.2039 by changing the saturation by 10% instead.


 31.4298, 24.6800,
16.2039


 31.4298, 24.6800,
16.2039


300.3052,
276.2405, 242.4285

 21.0798, 15.8388,
9.5126

 61.2874, 51.1376,
37.7235

 13.2951, 9.4102,
4.9757


 81.5256, 69.5228,
53.3890

 7.7105, 5.0097,
2.1745


 105.7907, 91.8582,
72.8829

 3.9605, 2.2529,
0.6596

 134.4479,
118.5280, 96.6238

 1.6798, 0.7486,
0.0000

167.8626,
149.9168, 125.0303

 0.4436, 0.0000,
0.0000

206.4001,

 0.0000, 0.0000,

186.4089, 158.5209

0.0000

250.4259,
228.3887, 197.5141

■ 31.4298, 24.6800,
16.2039

■ 31.4298, 24.6800,
16.2039

■ 28.7494, 20.7379,
10.9370

■ 34.7343, 29.4964,
22.8325

■ 26.6519, 17.6141,
6.9358

■ 38.6971, 35.2312,
30.9069

■ 25.0941, 15.2518,
4.0939


■ 43.3519, 41.9302,
40.5063


■ 24.0257, 13.5856,
2.2871


■ 48.7295, 49.6350,
51.7034


■ 23.3836, 12.5374,
1.3455

■ 54.8592, 58.3846,
64.5666

 23.2601, 12.3386,
1.1556

 61.7683, 68.2161,
79.1601

 69.4828, 79.1646,
95.5446

 76.8360, 90.6103,
108.0476

Harmonies

Analogous

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



32.9336, 24.6800, 26.3649



31.4298, 24.6800, 16.2039



27.7551, 24.6800, 10.7828

Triad

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



31.4298, 24.6800, 16.2039



16.8190, 24.6800, 16.8435



23.6364, 24.6800, 58.9513

Complementary

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



31.4298, 24.6800, 16.2039



33.7694, 42.9389, 59.3315

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.



19.6283, 24.6800, 54.0651



31.4298, 24.6800, 16.2039



15.9997, 24.6800, 27.3863

Square

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



31.4298, 24.6800, 16.2039



19.3553, 24.6800, 11.0630



16.9622, 24.6800, 41.4227



28.1021, 24.6800, 53.2553

Rectangle

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



31.4298, 24.6800, 16.2039



24.7690, 24.6800, 9.3797



16.9622, 24.6800, 41.4227



22.1933, 24.6800, 58.4832

Sweetspot

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



31.4304, 24.6813, 16.2044



80.3884, 79.0356, 78.2436



37.1889, 25.4561, 51.2400



16.7740, 16.2965, 15.8495



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.



31.4304, 24.6813, 16.2044



51.2084, 36.7241, 19.0416



37.7943, 37.4091, 18.3257



10.7151, 10.7994, 11.0825



15.3276, 8.1724, 0.7696



0.7546, 0.4447, 0.0461

Inverse Universe

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



33.7694, 42.9389, 59.3315



55.8706, 73.3800, 105.8268



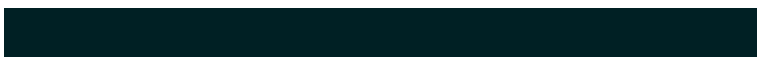
25.5721, 26.5445, 56.5991



10.8556, 11.8852, 13.6394



17.1246, 23.6432, 38.4054



0.8370, 1.1717, 1.8272

Previews

White Background



This preview shows how the XYZ color 31.4298, 24.6800, 16.2039 looks on a white background.

Color Contrast Check

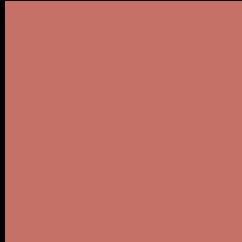
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4298, 24.6800, 16.2039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

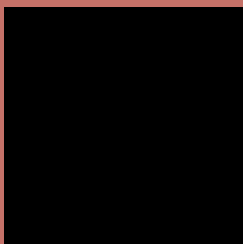
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4298, 24.6800, 16.2039

Background



This preview shows how black text looks on a background with the XYZ color 31.4298, 24.6800, 16.2039.



This preview shows how white text looks on a background with the XYZ color 31.4298, 24.6800,

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

31.4298, 24.6800, 16.2039

Protanopia

23.4003, 24.7754, 19.7685

Deuteranopia

25.3656, 24.8536, 15.7722



Tritanopia

32.3029, 24.7066, 20.5191

Trichromacy



Original Color

31.4298, 24.6800, 16.2039

Protanomaly

25.6927, 24.3726, 18.3892

Deuteranomaly

27.2851, 24.4886, 15.8591

Tritanomaly

32.1201, 24.8090, 19.0153

Monochromacy



Original Color

31.4298, 24.6800, 16.2039

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.7189, 24.2899, 22.7349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4298, 24.6800, 16.2039 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(197, 113, 104)` looks like.

```
.text, #text, p{  
    color:rgb(197, 113, 104)  
}
```

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(197, 113, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 113, 104) }
```

Border

The CSS property to change the border of an element to XYZ 31.4298, 24.6800, 16.2039 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(197, 113, 104) }
```


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

```
.border{ border-color:rgb(197, 113, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 113, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 113, 104); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 113, 104); box-shadow:4px 4px 4px 4px rgb(197, 113, 104) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4298, 24.6800, 16.2039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 113, 104) }
```

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

```
.background{ background-color: rgb(197,  
113, 104) }
```

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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