

Converting Colors

XYZ(31.8888, 25.2880, 18.2482)

Have a look what the booklet for
XYZ(31.8888, 25.2880, 18.2482)
contains.

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Color

**XYZ(31.7649, 25.1449,
18.2182)**

Conversions

Conversions Part 1

Format	Color
Hex	C4736F
RGB	196, 115, 111
RGB Percent	77%, 45%, 44%
CMY	0.2314, 0.5490, 0.5647
CMYK	0.00, 0.41, 0.43, 0.23
HSL	3°, 42%, 60%
HSV	3°, 43%, 77%
XYZ	31.7649, 25.1449, 18.2182
YIQ	138.7630, 49.5600, 15.9280

Conversions

Conversions Part 2

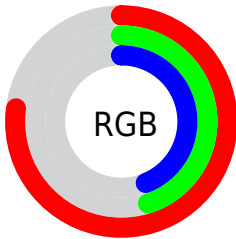
Format	Color
R_{YB}	196, 115, 111
Decimal	12874607
CIE _{Lab}	57.22, 31.39, 16.03
CIE _{LCh}	57, 35.248, 27.045
Yxy	25.1449, 0.4228, 0.3347
Android (android.graphics.Color)	4291064687 (0xFFC4736F)
YUV	138.7630, -13.6872, 50.1968
Hunter-Lab	50.1447, 25.3203, 13.5605

Details

The XYZ color **31.7649, 25.1449, 18.2182** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **35.3681, 45.0623, 59.0582**, and the grayscale version is **24.4877, 25.7629, 28.0559**.

A 20% lighter version of the original color is **61.8535, 51.9096, 41.4099**, and **13.4350, 9.6284, 5.8530** is the 20% darker color. If you saturate the color by 10%, you get **28.8835, 20.9239, 12.5049**, and if you desaturate by 10%, it is **35.3158, 30.3261, 25.3234**.

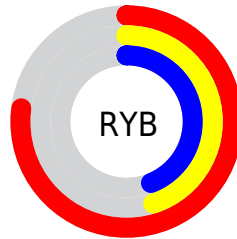
Distribution



Red (77%)

Green (45%)

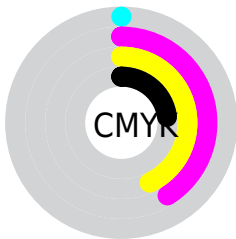
Blue (44%)



Red (77%)

Yellow (45%)

Blue (44%)

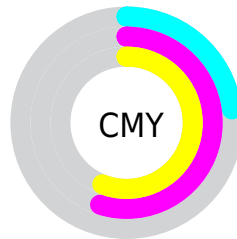


Cyan (0%)

Magenta (41%)

Yellow (43%)

Black (23%)



Cyan (23%)


Magenta (55%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7649, 25.1449, 18.2182 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 31.7649, 25.1449, 18.2182 by changing the saturation by 10% instead.


 31.7649, 25.1449,
18.2182


 31.7649, 25.1449,
18.2182


301.8113,
278.5588, 254.3754


 21.3367, 16.1850,
10.9357


 61.8100, 51.8922,
41.2277


 13.4842, 9.6552,
5.9100


 82.1576, 70.4484,
57.7918

 7.8421, 5.1709,
2.7225


 106.5424, 92.9722,
78.2869

 4.0450, 2.3479,
0.9547

 135.3297,
119.8480, 103.1314

 1.7276, 0.7989,
0.0000

168.8849,
151.4602, 132.7440

 0.4735, 0.0000,
0.0000

207.5733,

 0.0000, 0.0000,

188.1931, 167.5432

0.0000

251.7603,
230.4312, 207.9474

■ 31.7649, 25.1449,
18.2182

■ 31.7649, 25.1449,
18.2182

■ 28.8835, 20.9239,
12.5049

■ 35.3158, 30.3261,
25.3234

■ 26.6279, 17.6005,
8.0907

■ 39.5726, 36.5173,
33.9019

■ 24.9520, 15.1109,
4.8742


■ 44.5713, 43.7696,
44.0308


■ 23.8028, 13.3811,
2.7380


■ 50.3449, 52.1295,
55.7811

■ 23.1173, 12.3243,
1.5412

■ 56.9243, 61.6406,
69.2198

 22.8651, 11.9362,
1.0988

 64.3389, 72.3443,
84.4097

 72.6166, 84.2799,
101.4107

 76.5749, 90.4757,
108.0354

Harmonies

Analogous

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



32.8222, 25.1449, 28.5777



31.7649, 25.1449, 18.2182



28.5257, 25.1449, 12.2909

Triad

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



31.7649, 25.1449, 18.2182



17.7899, 25.1449, 16.7017



23.4891, 25.1449, 57.2633

Complementary

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



31.7649, 25.1449, 18.2182



35.3681, 45.0623, 59.0582

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.



19.8026, 25.1449, 51.4842



31.7649, 25.1449, 18.2182



16.7609, 25.1449, 26.2133

Square

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



31.7649, 25.1449, 18.2182



20.4400, 25.1449, 11.6108



17.4531, 25.1449, 39.1869



27.7288, 25.1449, 53.3062

Rectangle

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



31.7649, 25.1449, 18.2182



25.7400, 25.1449, 10.5581



17.4531, 25.1449, 39.1869



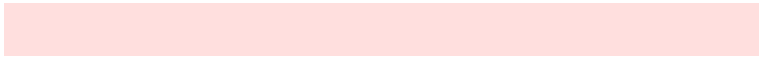
22.1488, 25.1449, 56.3633

Sweetspot

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



31.7655, 25.1462, 18.2187



80.9025, 79.5215, 80.0871



38.0937, 26.9625, 53.7460



16.8552, 16.3522, 16.2054



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.



31.7655, 25.1462, 18.2187



52.5815, 38.2828, 23.1605



37.5787, 36.7725, 20.1564



10.1104, 10.1523, 10.4886



14.7097, 7.7051, 0.7119



0.6490, 0.3597, 0.0352

Inverse Universe

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



35.3681, 45.0623, 59.0582



59.9322, 78.9856, 106.6947



27.5326, 29.3913, 56.4464



10.3266, 11.3445, 12.9303



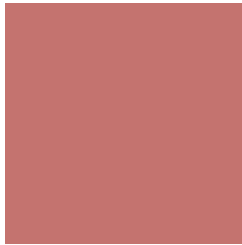
17.8068, 25.3700, 37.5150



0.7821, 1.1216, 1.6252

Previews

White Background



This preview shows how the XYZ color 31.7649, 25.1449, 18.2182 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 31.7649, 25.1449, 18.2182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

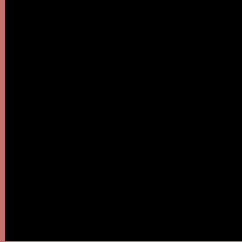
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7649, 25.1449, 18.2182

Background



This preview shows how black text looks on a background with the XYZ color 31.7649, 25.1449, 18.2182.



This preview shows how white text looks on a background with the XYZ color 31.7649, 25.1449,

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

31.7649, 25.1449, 18.2182

Protanopia

23.9601, 25.2258, 22.0186

Deuteranopia

25.6560, 25.1623, 17.6920



Tritanopia

32.4439, 25.0857, 21.5444

Trichromacy



Original Color

31.7649, 25.1449, 18.2182

Protanomaly

26.2245, 24.7950, 20.5433

Deuteranomaly

27.6767, 25.0245, 17.8395

Tritanomaly

32.3133, 25.2130, 20.3030

Monochromacy



Original Color

31.7649, 25.1449, 18.2182

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.4423, 25.0238, 24.2053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7649, 25.1449, 18.2182 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(196, 115, 111)` looks like.

```
.text, #text, p{  
    color:rgb(196, 115, 111)  
}
```

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(196, 115, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 115, 111) }
```

Border

The CSS property to change the border of an element to XYZ 31.7649, 25.1449, 18.2182 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(196, 115, 111) }
```


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

```
.border{ border-color:rgb(196, 115, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 115, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 115, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 115, 111);  
box-shadow:4px 4px 4px 4px rgb(196, 115,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7649, 25.1449, 18.2182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 115, 111) }
```

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

```
.background{ background-color: rgb(196,  
115, 111) }
```

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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