

Converting Colors

XYZ(31.8336, 24.4636, 15.8217)

Have a look what the booklet for
XYZ(31.8336, 24.4636, 15.8217)
contains.

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Color

**XYZ(31.8435, 24.4105,
15.8653)**

Conversions

Conversions Part 1

Format	Color
Hex	C86E67
RGB	200, 110, 103
RGB Percent	78%, 43%, 40%
CMY	0.2157, 0.5686, 0.5961
CMYK	0.00, 0.45, 0.48, 0.22
HSL	4°, 47%, 59%
HSV	4°, 48%, 78%
XYZ	31.8435, 24.4105, 15.8653
YIQ	136.1120, 55.8870, 16.9030

Conversions

Conversions Part 2

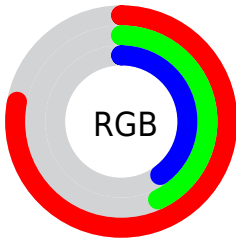
Format	Color
R _Y B	200, 111, 103
Decimal	13135463
CIE Lab	56.50, 34.78, 19.75
CIE LCh	56, 39.999, 29.590
Yxy	24.4105, 0.4415, 0.3385
Android (android.graphics.Color)	4291325543 (0xFFC86E67)
YUV	136.1120, -16.3242, 56.0298
Hunter-Lab	49.4070, 28.5836, 15.5460

Details

The XYZ color **31.8435, 24.4105, 15.8653** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **35.0876, 45.1912, 61.5168**, and the grayscale version is **23.4890, 24.7122, 26.9116**.

A 20% lighter version of the original color is **60.1699, 49.7875, 37.0105**, and **13.4850, 9.2680, 4.8195** is the 20% darker color. If you saturate the color by 10%, you get **29.1604, 20.4633, 10.5967**, and if you desaturate by 10%, it is **35.1871, 29.2946, 22.5390**.

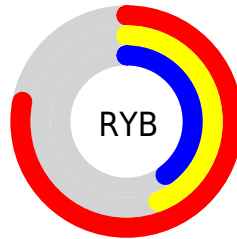
Distribution



Red (78%)

Green (43%)

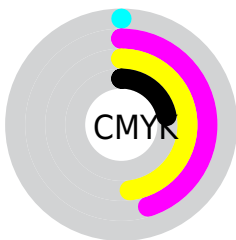
Blue (40%)



Red (78%)

Yellow (44%)

Blue (40%)

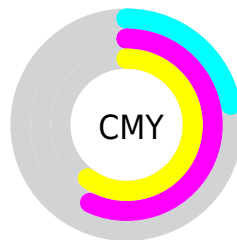


Cyan (0%)

Magenta (45%)

Yellow (48%)

Black (22%)



Cyan (22%)


Magenta (57%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8435, 24.4105, 15.8653 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 31.8435, 24.4105, 15.8653 by changing the saturation by 10% instead.


 31.8435, 24.4105,
15.8653


 31.8435, 24.4105,
15.8653


302.1637,
274.8893, 240.3641


 21.3970, 15.6384,
9.2756


 61.9325, 50.6993,
37.1277

 13.5286, 9.2686,
4.8221


 82.3057, 68.9847,
52.6375

 7.8730, 4.9168,
2.0864

 106.7185, 91.2101,
71.9577

 4.0649, 2.1985,
0.6076

 135.5362,
117.7597, 95.5069

 1.7389, 0.7192,
0.0000

169.1242,
149.0181, 123.7036

 0.4805, 0.0000,
0.0000

207.8479,

 0.0000, 0.0000,

185.3695, 156.9663

0.0000

252.0726,
227.1985, 195.7136

■ 31.8435, 24.4105,
15.8653

■ 31.8435, 24.4105,
15.8653

■ 29.1604, 20.4633,
10.5967

■ 35.1871, 29.2946,
22.5390

■ 27.0922, 17.3895,
6.6313

■ 39.2292, 35.1664,
30.7071

■ 25.5904, 15.1238,
3.8560


■ 44.0070, 42.0773,
40.4530


■ 24.5983, 13.5899,
2.1373

■ 49.5546, 50.0741,
51.8536


■ 24.0398, 12.6939,
1.2693

■ 55.9038, 59.2010,
64.9808

 23.9824, 12.6055,
1.1691

 63.0848, 69.4994,
79.9023

 71.1263, 81.0088,
96.6820

 77.6293, 91.0193,
108.0847

Harmonies

Analogous

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



33.2999, 24.4105, 26.7620



31.8435, 24.4105, 15.8653



28.0099, 24.4105, 10.0875

Triad

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



31.8435, 24.4105, 15.8653



16.3346, 24.4105, 15.6420



23.1377, 24.4105, 61.1308

Complementary

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



31.8435, 24.4105, 15.8653



35.0876, 45.1912, 61.5168

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.



18.9774, 24.4105, 55.2169



31.8435, 24.4105, 15.8653



15.3838, 24.4105, 26.3966

Square

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



31.8435, 24.4105, 15.8653



19.0742, 24.4105, 9.9920



16.2842, 24.4105, 41.2744



27.8848, 24.4105, 55.5149

Rectangle

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



31.8435, 24.4105, 15.8653



24.8489, 24.4105, 8.5526



16.2842, 24.4105, 41.2744



21.6285, 24.4105, 60.4030

Sweetspot

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



31.8441, 24.4118, 15.8658



79.1973, 77.1876, 76.1998



38.3549, 25.8541, 53.7332



16.5292, 15.9121, 15.4438



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.



31.8441, 24.4118, 15.8658



50.3518, 35.2290, 18.0836



38.4887, 37.7010, 18.0806



10.6944, 10.7579, 11.0756



15.2741, 8.0654, 0.7518



0.7451, 0.4257, 0.0429

Inverse Universe

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



35.0876, 45.1912, 61.5168



56.5721, 75.2454, 106.1499



26.1494, 27.3148, 58.5374



10.8786, 11.9313, 13.6471



17.7621, 24.9182, 38.6179



0.8611, 1.2200, 1.8352

Previews

White Background



This preview shows how the XYZ color 31.8435, 24.4105, 15.8653 looks on a white background.

Color Contrast Check

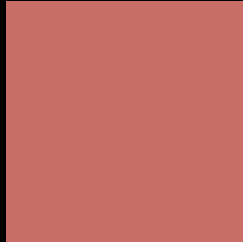
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8435, 24.4105, 15.8653 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 31.8435, 24.4105, 15.8653

Background



This preview shows how black text looks on a background with the XYZ color 31.8435, 24.4105, 15.8653.



This preview shows how white text looks on a background with the XYZ color 31.8435, 24.4105,

15.8653.

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

31.8435, 24.4105, 15.8653

Protanopia

23.2264, 24.6858, 19.7603

Deuteranopia

24.9327, 24.4432, 15.2083



Tritanopia

32.6023, 24.4036, 19.5150

Trichromacy



Original Color

31.8435, 24.4105, 15.8653

Protanomaly

25.7685, 24.2190, 18.3555

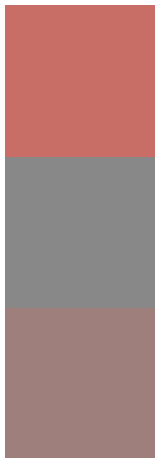
Deuteranomaly

27.0624, 24.2000, 15.3013

Tritanomaly

32.4253, 24.5025, 18.0594

Monochromacy



Original Color

31.8435, 24.4105, 15.8653

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.5255, 24.0049, 22.3569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8435, 24.4105, 15.8653 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(200, 110, 103)` looks like.

```
.text, #text, p{  
    color:rgb(200, 110, 103)  
}
```

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(200, 110, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 110, 103) }
```

Border

The CSS property to change the border of an element to XYZ 31.8435, 24.4105, 15.8653 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(200, 110, 103) }
```


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

```
.border{ border-color:rgb(200, 110, 103) }
```

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

Here you see how a box with a 4 pixel rgb(200, 110, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 110, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 110, 103);  
box-shadow:4px 4px 4px 4px rgb(200, 110,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8435, 24.4105, 15.8653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 110, 103) }
```

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

```
.background{ background-color: rgb(200,  
110, 103) }
```

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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