

Converting Colors

XYZ(30.9883, 24.9577, 17.6264)

Have a look what the booklet for
XYZ(30.9883, 24.9577, 17.6264)
contains.

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Color

**XYZ(30.9980, 24.9324,
17.6467)**

Conversions

Conversions Part 1

Format	Color
Hex	C1746D
RGB	193, 116, 109
RGB Percent	76%, 45%, 43%
CMY	0.2431, 0.5451, 0.5725
CMYK	0.00, 0.40, 0.44, 0.24
HSL	5°, 40%, 59%
HSV	5°, 44%, 76%
XYZ	30.9980, 24.9324, 17.6467
YIQ	138.2250, 48.1390, 14.1470

Conversions

Conversions Part 2

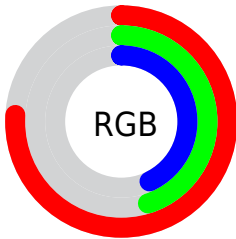
Format	Color
R _Y B	193, 117, 109
Decimal	12678253
CIE Lab	57.01, 29.47, 16.84
CIE LCh	57, 33.940, 29.738
Yxy	24.9324, 0.4213, 0.3389
Android (android.graphics.Color)	4290868333 (0xFFC1746D)
YUV	138.2250, -14.4079, 48.0377
Hunter-Lab	49.9324, 23.4312, 13.9988

Details

The XYZ color **30.9980, 24.9324, 17.6467** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.4903, 42.2172, 56.8355**, and the grayscale version is **24.2845, 25.5492, 27.8230**.

A 20% lighter version of the original color is **60.6780, 51.6094, 40.0212**, and **12.9711, 9.4785, 5.7033** is the 20% darker color. If you saturate the color by 10%, you get **28.2222, 20.8650, 12.1462**, and if you desaturate by 10%, it is **34.3915, 29.8702, 24.4790**.

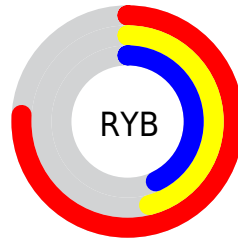
Distribution



Red (76%)

Green (45%)

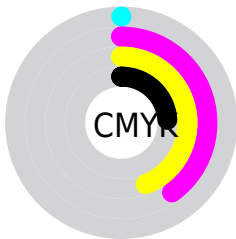
Blue (43%)



Red (76%)

Yellow (46%)

Blue (43%)

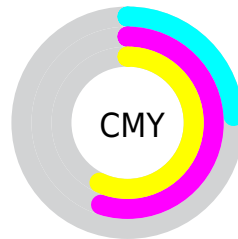


Cyan (0%)

Magenta (40%)

Yellow (44%)

Black (24%)



Cyan (24%)


Magenta (55%)


Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9980, 24.9324, 17.6467 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 30.9980, 24.9324, 17.6467 by changing the saturation by 10% instead.


 30.9980, 24.9324,
17.6467


 30.9980, 24.9324,
17.6467


298.3561,
277.5011, 251.0409


 20.7491, 16.0267,
10.5298


 60.6128, 51.5475,
40.2402


 13.0522, 9.5430,
5.6415


 80.7094, 70.0258,
56.5538

 7.5417, 5.0971,
2.5631


 104.8194, 92.4636,
76.7702

 3.8525, 2.3043,
0.8733

 133.3080,
119.2455, 101.3077

 1.6190, 0.7760,
0.0000

166.5406,
150.7558, 130.5850

 0.4048, 0.0000,
0.0000

204.8826,

 0.0000, 0.0000,

187.3789, 165.0207

0.0000

248.6993,
229.4992, 205.0331

■ 30.9980, 24.9324,
17.6467

■ 30.9980, 24.9324,
17.6467

■ 28.2222, 20.8650,
12.1462

■ 34.3915, 29.8702,
24.4790

■ 26.0250, 17.6139,
7.8891

■ 38.4349, 35.7208,
32.7207

■ 24.3658, 15.1250,
4.7789


■ 43.1605, 42.5285,
42.4452


■ 23.1979, 13.3360,
2.7038


■ 48.5976, 50.3334,
53.7204


■ 22.4664, 12.1747,
1.5300

■ 54.7742, 59.1734,
66.6098

 22.1789, 11.7108,
1.0914

 61.7165, 69.0845,
81.1736

 69.4495, 80.1009,
97.4689

 75.8022, 90.0774,
107.9992

Harmonies

Analogous

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



32.2214, 24.9324, 27.2477



30.9980, 24.9324, 17.6467



27.7753, 24.9324, 12.2548

Triad

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



30.9980, 24.9324, 17.6467



17.6727, 24.9324, 17.5165



23.6625, 24.9324, 55.5582

Complementary

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



30.9980, 24.9324, 17.6467



33.4903, 42.2172, 56.8355

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.



20.0397, 24.9324, 50.8734



30.9980, 24.9324, 17.6467



16.8274, 24.9324, 27.0468

Square

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



30.9980, 24.9324, 17.6467



20.0941, 24.9324, 12.1958



17.6439, 24.9324, 39.5611



27.7079, 24.9324, 51.0262

Rectangle

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



30.9980, 24.9324, 17.6467



25.0898, 24.9324, 10.7654



17.6439, 24.9324, 39.5611



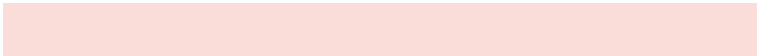
22.3576, 24.9324, 54.9943

Sweetspot

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



30.9986, 24.9336, 17.6472



77.5920, 76.5873, 76.6209



36.3239, 25.8201, 49.5235



16.2165, 15.8127, 15.5507



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.9986, 24.9336, 17.6472



50.8637, 37.8362, 22.3763



36.9795, 36.8953, 19.6408



10.1392, 10.2099, 10.4982



14.7765, 7.8388, 0.7342



0.6620, 0.3858, 0.0396

Inverse Universe

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



33.4903, 42.2172, 56.8355



55.8639, 72.6558, 101.4399



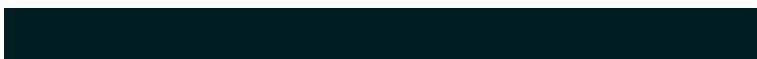
25.9057, 27.0482, 54.3073



10.2944, 11.2801, 12.9195



16.8754, 23.5072, 37.2045



0.7507, 1.0588, 1.6147

Previews

White Background



This preview shows how the XYZ color 30.9980, 24.9324, 17.6467 looks on a white background.

Color Contrast Check

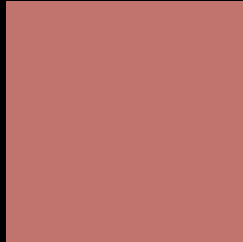
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.9980, 24.9324, 17.6467 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 30.9980, 24.9324, 17.6467

Background



This preview shows how black text looks on a background with the XYZ color 30.9980, 24.9324, 17.6467.



This preview shows how white text looks on a background with the XYZ color 30.9980, 24.9324,

17.6467.

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

30.9980, 24.9324, 17.6467

Protanopia

23.7770, 25.1525, 21.0545

Deuteranopia

25.5507, 25.1202, 17.1377



Tritanopia

31.7783, 24.9091, 21.5454

Trichromacy



Original Color

30.9980, 24.9324, 17.6467

Protanomaly

25.8451, 24.6197, 19.6096

Deuteranomaly

27.3483, 24.8675, 17.2684

Tritanomaly

31.5898, 25.0152, 19.9931

Monochromacy



Original Color

30.9980, 24.9324, 17.6467

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.9139, 24.7667, 23.4933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9980, 24.9324, 17.6467 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(193, 116, 109)` looks like.

```
.text, #text, p{  
    color:rgb(193, 116, 109)  
}
```

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(193, 116, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 116, 109) }
```

Border

The CSS property to change the border of an element to XYZ 30.9980, 24.9324, 17.6467 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(193, 116, 109) }
```


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

```
.border{ border-color:rgb(193, 116, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 116, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 116, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 116, 109);  
box-shadow:4px 4px 4px 4px rgb(193, 116,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9980, 24.9324, 17.6467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 116, 109) }
```

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

```
.background{ background-color: rgb(193,  
116, 109) }
```

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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