

Converting Colors

XYZ(33.4685, 26.0103, 18.8793)

Have a look what the booklet for
XYZ(33.4685, 26.0103, 18.8793)
contains.

XYZ(33.4685, 26.0103, 18.8793)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.4685, 26.0103,
18.8793)**

Conversions

Conversions Part 1

Format	Color
Hex	CA7371
RGB	202, 115, 113
RGB Percent	79%, 45%, 44%
CMY	0.2078, 0.5490, 0.5569
CMYK	0.00, 0.43, 0.44, 0.21
HSL	1°, 46%, 62%
HSV	1°, 44%, 79%
XYZ	33.4685, 26.0103, 18.8793
YIQ	140.7850, 52.4940, 17.8220

Conversions

Conversions Part 2

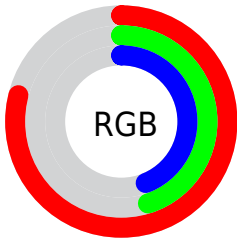
Format	Color
R_{YB}	202, 115, 113
Decimal	13267825
CIE _{Lab}	58.05, 33.91, 16.14
CIE _{LCh}	58, 37.556, 25.456
Yxy	26.0103, 0.4271, 0.3319
Android (android.graphics.Color)	4291457905 (0xFFCA7371)
YUV	140.7850, -13.6980, 53.6856
Hunter-Lab	51.0003, 27.8886, 13.7522

Details

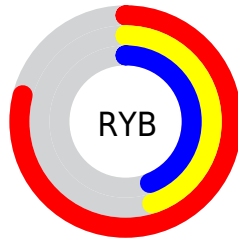
The XYZ color **33.4685, 26.0103, 18.8793** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **38.1239, 49.0812, 63.3413**, and the grayscale version is **25.2715, 26.5876, 28.9538**.

A 20% lighter version of the original color is **62.0342, 51.9819, 42.3613**, and **14.5215, 10.1820, 6.2010** is the 20% darker color. If you saturate the color by 10%, you get **30.4398, 21.5748, 12.8698**, and if you desaturate by 10%, it is **37.2339, 31.5140, 26.3835**.

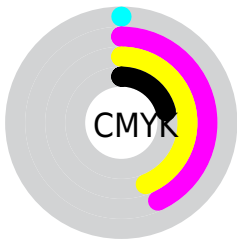
Distribution



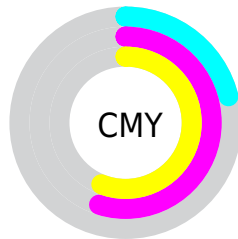
- Red (79%)
- Green (45%)
- Blue (44%)



- Red (79%)
- Yellow (45%)
- Blue (44%)



- Cyan (0%)
- Magenta (43%)
- Yellow (44%)
- Black (21%)





- Cyan (21%)
- Magenta (55%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4685, 26.0103, 18.8793 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 33.4685, 26.0103, 18.8793 by changing the saturation by 10% instead.


 33.4685, 26.0103,
18.8793


 33.4685, 26.0103,
18.8793


309.3834,
282.8326, 258.1821


 22.6465, 16.8313,
11.4072


 64.4561, 53.2916,
42.3640


 14.4520, 10.1143,
6.2238


 85.3524, 72.1627,
59.2137

 8.5195, 5.4748,
2.9107


 110.3376, 95.0333,
80.0263

 4.4837, 2.5285,
1.0492

 139.7769,
122.2878, 105.2204

 1.9793, 0.8908,
0.0000

174.0358,
154.3106, 135.2144

 0.6223, 0.0000,
0.0000

213.4796,

 0.0000, 0.0000,

191.4860, 170.4271

0.0000

258.4737,
234.1986, 211.2768

■ 33.4685, 26.0103,
18.8793

■ 33.4685, 26.0103,
18.8793

■ 30.4398, 21.5748,
12.8698

■ 37.2339, 31.5140,
26.3835

■ 28.0977, 18.1347,
8.2536

■ 41.7776, 38.1449,
35.4717

■ 26.3891, 15.6143,
4.9194


■ 47.1408, 45.9622,
46.2277


■ 25.2522, 13.9252,
2.7378

■ 53.3609, 55.0198,
58.7292


■ 24.6129, 12.9620,
1.5525

■ 60.4732, 65.3684,
73.0490

 24.4065, 12.6553,
1.1564

 68.5109, 77.0560,
89.2556

 77.5056, 90.1278,
107.4142

 78.1671, 91.2965,
108.1099

Harmonies

Analogous

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



34.4818, 26.0103, 30.3474



33.4685, 26.0103, 18.8793



30.0080, 26.0103, 12.3194

Triad

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



33.4685, 26.0103, 18.8793



18.2079, 26.0103, 16.3812



24.0370, 26.0103, 61.2557

Complementary

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



33.4685, 26.0103, 18.8793



38.1239, 49.0812, 63.3413

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.



20.0963, 26.0103, 54.2986



33.4685, 26.0103, 18.8793



17.0031, 26.0103, 26.3865

Square

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



33.4685, 26.0103, 18.8793



21.1575, 26.0103, 11.2173



17.6499, 26.0103, 40.4788



28.6659, 26.0103, 57.4122

Rectangle

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



33.4685, 26.0103, 18.8793



26.9789, 26.0103, 10.3632



17.6499, 26.0103, 40.4788



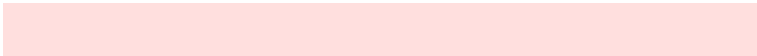
22.5946, 26.0103, 60.0555

Sweetspot

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



33.4692, 26.0116, 18.8798



80.6848, 79.0860, 80.0145



40.7481, 28.5613, 58.3258



16.8024, 16.2466, 16.1878



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.



33.4692, 26.0116, 18.8798



51.6910, 36.7522, 22.0911



39.7331, 38.5395, 20.9678



11.2322, 11.2534, 11.6596



15.7141, 8.1611, 0.7470



0.8179, 0.4355, 0.0410

Inverse Universe

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



38.1239, 49.0812, 63.3413



60.5713, 80.7952, 107.0103



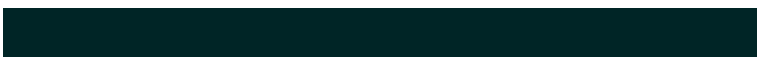
29.3622, 31.5577, 60.4207



11.5208, 12.6820, 14.4110



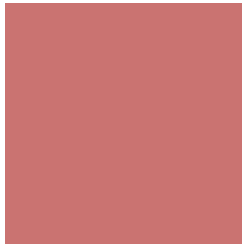
19.7832, 28.5903, 40.4321



1.0276, 1.4890, 2.0882

Previews

White Background



This preview shows how the XYZ color 33.4685, 26.0103, 18.8793 looks on a white background.

Color Contrast Check

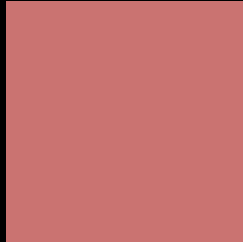
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4685, 26.0103, 18.8793 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 33.4685, 26.0103, 18.8793

Background



This preview shows how black text looks on a background with the XYZ color 33.4685, 26.0103, 18.8793.



This preview shows how white text looks on a background with the XYZ color 33.4685, 26.0103,

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

33.4685, 26.0103, 18.8793

Protanopia

24.9338, 26.3478, 23.1735

Deuteranopia

26.6494, 26.0685, 18.3790



Tritanopia

34.1588, 26.1363, 21.6568

Trichromacy



Original Color

33.4685, 26.0103, 18.8793

Protanomaly

27.2934, 25.7201, 21.6151

Deuteranomaly

28.8187, 25.7914, 18.4983

Tritanomaly

33.9757, 26.0630, 20.6927

Monochromacy



Original Color

33.4685, 26.0103, 18.8793

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.4523, 25.9278, 25.0304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4685, 26.0103, 18.8793 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(202, 115, 113)` looks like.

```
.text, #text, p{  
    color:rgb(202, 115, 113)  
}
```

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(202, 115, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 115, 113) }
```

Border

The CSS property to change the border of an element to XYZ 33.4685, 26.0103, 18.8793 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(202, 115, 113) }
```


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

```
.border{ border-color:rgb(202, 115, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 115, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 115, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 115, 113);  
box-shadow:4px 4px 4px 4px rgb(202, 115,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4685, 26.0103, 18.8793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 115, 113) }
```

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

```
.background{ background-color: rgb(202,  
115, 113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor