

# Converting Colors

XYZ(34.7912, 26.6834, 18.5670)

Have a look what the booklet for  
XYZ(34.7912, 26.6834, 18.5670)  
contains.

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# Color

**XYZ(34.7875, 26.6967,  
18.6487)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF7370
RGB	207, 115, 112
RGB Percent	81%, 45%, 44%
CMY	0.1882, 0.5490, 0.5608
CMYK	0.00, 0.44, 0.46, 0.19
HSL	2°, 50%, 63%
HSV	2°, 46%, 81%
XYZ	34.7875, 26.6967, 18.6487
YIQ	142.1660, 55.7950, 18.5710

# Conversions

## Conversions Part 2

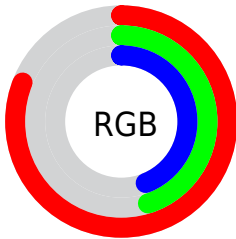
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 115, 112
Decimal	13595504
CIE <sub>Lab</sub>	58.69, 35.70, 17.71
CIE <sub>LCh</sub>	59, 39.856, 26.383
Yxy	26.6967, 0.4341, 0.3332
Android (android.graphics.Color)	4291785584 (0xFFCF7370)
YUV	142.1660, -14.8718, 56.8594
Hunter-Lab	51.6688, 29.7596, 14.7688

# Details

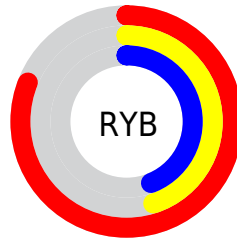
The XYZ color **34.7875, 26.6967, 18.6487** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **39.5363, 51.1331, 66.8173**, and the grayscale version is **25.8191, 27.1637, 29.5813**.

A 20% lighter version of the original color is **61.9435, 51.9456, 41.8837**, and **15.1532, 10.4265, 6.0643** is the 20% darker color. If you saturate the color by 10%, you get **31.7221, 22.2032, 12.5794**, and if you desaturate by 10%, it is **38.6162, 32.2928, 26.2799**.

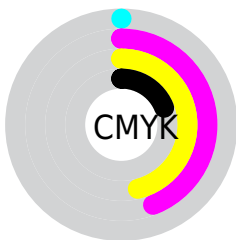
# Distribution



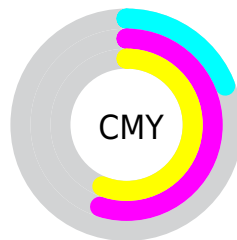
- Red (81%)
- Green (45%)
- Blue (44%)



- Red (81%)
- Yellow (45%)
- Blue (44%)



- Cyan (0%)
- Magenta (44%)
- Yellow (46%)
- Black (19%)




- Cyan (19%)
- Magenta (55%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7875, 26.6967, 18.6487 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 34.7875, 26.6967, 18.6487 by changing the saturation by 10% instead.





 34.7875, 26.6967,  
18.6487


 34.7875, 26.6967,  
18.6487


315.1538,  
286.1856, 256.8602


 23.6650, 17.3456,  
11.2425


 66.4926, 54.3968,  
41.9684


 15.2087, 10.4812,  
6.1140


 87.8060, 73.5145,  
58.7190

 9.0532, 5.7191,  
2.8446


 113.2469, 96.6566,  
79.4214

 4.8333, 2.6751,  
1.0158

 143.1809,  
124.2074, 104.4942

 2.1835, 0.9645,  
0.0000

177.9732,  
156.5513, 134.3559

 0.7340, 0.0000,  
0.0000

217.9892,

 0.0000, 0.0000,

194.0727, 169.4252

0.0000

263.5943,  
237.1560, 210.1204

■ 34.7875, 26.6967,  
18.6487

■ 34.7875, 26.6967,  
18.6487

■ 31.7221, 22.2032,  
12.5794

■ 38.6162, 32.2928,  
26.2799

■ 29.3670, 18.7359,  
7.9629

■ 43.2524, 39.0533,  
35.5693

■ 27.6657, 16.2149,  
4.6781


■ 48.7394, 47.0404,  
46.6068


■ 26.5523, 14.5469,  
2.5838


■ 55.1169, 56.3105,  
59.4758

■ 25.9464, 13.6195,  
1.5054

■ 62.4219, 66.9166,  
74.2541

 25.8032, 13.4075,  
1.2279

 70.6894, 78.9087,  
91.0151

 79.5421, 92.0054,  
108.1742

# Harmonies

## Analogous

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



35.9893, 26.6967, 30.8041



34.7875, 26.6967, 18.6487



30.9575, 26.6967, 11.8877

# Triad

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



34.7875, 26.6967, 18.6487



18.3079, 26.6967, 16.5402



24.7846, 26.6967, 65.1797

# Complementary

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



34.7875, 26.6967, 18.6487



39.5363, 51.1331, 66.8173

# 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.



20.5065, 26.6967, 57.8339



34.7875, 26.6967, 18.6487



17.0835, 26.6967, 27.3987

# Square

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



34.7875, 26.6967, 18.6487



21.4129, 26.6967, 10.9742



17.8338, 26.6967, 42.7865



29.7967, 26.6967, 60.5690



# Rectangle

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



34.7875, 26.6967, 18.6487



27.6583, 26.6967, 9.9365



17.8338, 26.6967, 42.7865



23.2199, 26.6967, 63.9797

# Sweetspot

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



34.7882, 26.6981, 18.6492



79.7717, 77.8023, 78.0380



42.5962, 29.2818, 61.4285



16.6263, 16.0011, 15.8002



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.



34.7882, 26.6981, 18.6492



50.9392, 35.7301, 20.3561



41.4163, 39.9543, 20.8586



11.8383, 11.8673, 12.2787



16.2702, 8.4734, 0.7780



0.9205, 0.4953, 0.0471



# Inverse Universe

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



39.5363, 51.1331, 66.8173



59.4484, 79.5700, 106.8330



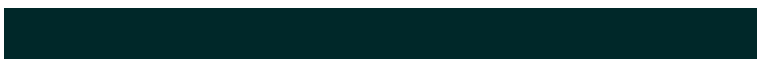
30.1574, 32.3752, 63.6910



12.1250, 13.3402, 15.1795



20.1889, 29.0244, 41.7307



1.1391, 1.6434, 2.3367



# Previews

## White Background



This preview shows how the XYZ color 34.7875, 26.6967, 18.6487 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

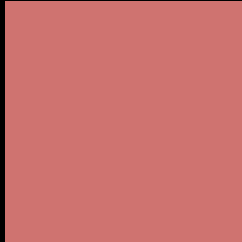
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.7875, 26.6967, 18.6487 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 34.7875, 26.6967, 18.6487**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.7875, 26.6967, 18.6487.



This preview shows how white text looks on a background with the XYZ color 34.7875, 26.6967,



# 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

34.7875, 26.6967, 18.6487

### Protanopia

25.4393, 26.8263, 23.2392

### Deuteranopia

27.2368, 26.7980, 17.9244



## Tritanopia

35.5426, 26.8497, 21.7216

# Trichromacy



## Original Color

34.7875, 26.6967, 18.6487

## Protanomaly

28.0036, 26.2936, 21.3685

## Deuteranomaly

29.5355, 26.3662, 18.0005

## Tritanomaly

35.2998, 26.7525, 20.4428

# Monochromacy



## Original Color

34.7875, 26.6967, 18.6487

## Achromatopsia

25.7108, 27.0498, 29.4572

## Achromatomaly

28.0739, 26.2482, 25.0595

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.7875, 26.6967, 18.6487 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(207, 115, 112)` looks like.

```
.text, #text, p{  
    color:rgb(207, 115, 112)  
}
```

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(207, 115, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 115, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 34.7875, 26.6967, 18.6487 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(207, 115, 112) }
```



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

```
.border{ border-color:rgb(207, 115, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 115, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 115, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 115, 112);  
box-shadow:4px 4px 4px 4px rgb(207, 115,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.7875, 26.6967, 18.6487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 115, 112) }
```

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

```
.background{ background-color: rgb(207,  
115, 112) }
```

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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