

# Converting Colors

XYZ(32.2762, 25.6091, 17.0951)

Have a look what the booklet for  
XYZ(32.2762, 25.6091, 17.0951)  
contains.

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# Color

**XYZ(32.1879, 25.5581,  
17.1466)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6746B
RGB	198, 116, 107
RGB Percent	78%, 45%, 42%
CMY	0.2235, 0.5451, 0.5804
CMYK	0.00, 0.41, 0.46, 0.22
HSL	6°, 44%, 60%
HSV	6°, 46%, 78%
XYZ	32.1879, 25.5581, 17.1466
YIQ	139.4920, 51.7610, 14.5850

# Conversions

## Conversions Part 2

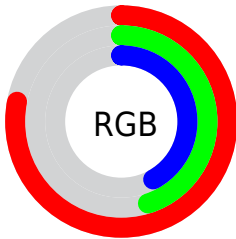
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 117, 107
Decimal	13005931
CIE Lab	57.62, 31.21, 18.92
CIE LCh	58, 36.495, 31.226
Yxy	25.5581, 0.4298, 0.3413
Android (android.graphics.Color)	4291196011 (0xFFC6746B)
YUV	139.4920, -16.0186, 51.3115
Hunter-Lab	50.5550, 25.1780, 15.2793

# Details

The XYZ color **32.1879, 25.5581, 17.1466** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **34.4529, 43.5959, 60.0248**, and the grayscale version is **24.7770, 26.0674, 28.3874**.

A 20% lighter version of the original color is **61.5995, 52.1046, 39.1583**, and **13.7483, 9.8854, 5.4584** is the 20% darker color. If you saturate the color by 10%, you get **29.4003, 21.4634, 11.6532**, and if you desaturate by 10%, it is **35.6103, 30.5406, 24.0287**.

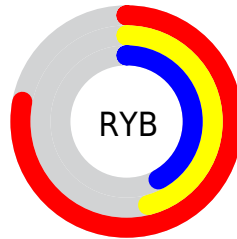
# Distribution



Red (78%)

Green (45%)

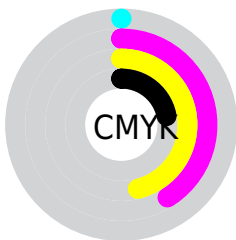
Blue (42%)



Red (78%)

Yellow (46%)

Blue (42%)

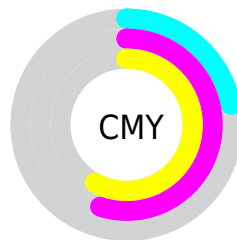


Cyan (0%)

Magenta (41%)

Yellow (46%)

Black (22%)



Cyan (22%)

Magenta (55%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1879, 25.5581, 17.1466 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 32.1879, 25.5581, 17.1466 by changing the saturation by 10% instead.




 32.1879, 25.5581,  
17.1466


 32.1879, 25.5581,  
17.1466


303.7044,  
280.6060, 248.0883


 21.6613, 16.4933,  
10.1760


 62.4687, 52.5612,  
39.3718

 13.7234, 9.8739,  
5.4087


 82.9537, 71.2683,  
55.4634

 8.0090, 5.3154,  
2.4261


 107.4888, 93.9583,  
75.4325

 4.1526, 2.4335,  
0.8006

 136.4395,  
121.0157, 99.6975

 1.7888, 0.8430,  
0.0000

170.1710,  
152.8247, 128.6771

 0.5109, 0.0000,  
0.0000

209.0488,

 0.0000, 0.0000,

189.7699, 162.7897

0.0000

253.4381,  
232.2355, 202.4539

■ 32.1879, 25.5581,  
17.1466

■ 32.1879, 25.5581,  
17.1466

■ 29.4003, 21.4634,  
11.6532

■ 35.6103, 30.5406,  
24.0287

■ 27.2063, 18.2008,  
7.4526

■ 39.7013, 36.4548,  
32.3838

■ 25.5630, 15.7140,  
4.4391


■ 44.4947, 43.3463,  
42.2910


■ 24.4207, 13.9383,  
2.4894


■ 50.0214, 51.2565,  
53.8234


■ 23.7199, 12.7981,  
1.4499

■ 56.3106, 60.2246,  
67.0496

 23.5316, 12.4918,  
1.1709

 63.3896, 70.2876,  
82.0340

 71.2847, 81.4806,  
98.8379

 77.0986, 90.7457,  
108.0599

# Harmonies

## Analogous

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



33.6728, 25.5581, 27.3179



32.1879, 25.5581, 17.1466



28.5544, 25.5581, 11.6448

# Triad

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



32.1879, 25.5581, 17.1466



17.6610, 25.5581, 17.7989



24.4720, 25.5581, 59.3885

# Complementary

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



32.1879, 25.5581, 17.1466



34.4529, 43.5959, 60.0248

# 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.



20.4768, 25.5581, 54.6183



32.1879, 25.5581, 17.1466



16.8389, 25.5581, 28.3453

# Square

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



32.1879, 25.5581, 17.1466



20.2008, 25.5581, 11.9346



17.8064, 25.5581, 42.2204



28.9018, 25.5581, 53.8170



# Rectangle

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



32.1879, 25.5581, 17.1466



25.5933, 25.5581, 10.2073



17.8064, 25.5581, 42.2204



23.0360, 25.5581, 58.9332

# Sweetspot

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



32.1885, 25.5594, 17.1471



80.4087, 79.0763, 78.2504



37.8862, 26.2572, 52.0255



16.7789, 16.3063, 15.8511



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.



32.1885, 25.5594, 17.1471



52.1216, 38.0949, 20.7503



38.5278, 38.2378, 19.2602



10.7169, 10.8030, 11.0831



15.3328, 8.1827, 0.7713



0.7555, 0.4464, 0.0463



# Inverse Universe

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



34.4529, 43.5959, 60.0248



56.5786, 73.8303, 105.8764



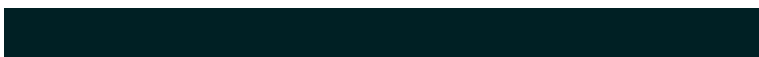
26.3692, 27.4285, 57.3303



10.8536, 11.8812, 13.6387



17.0703, 23.5346, 38.3873

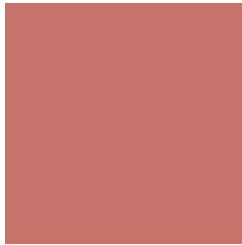


0.8349, 1.1676, 1.8265



# Previews

## White Background



This preview shows how the XYZ color 32.1879, 25.5581, 17.1466 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 32.1879, 25.5581, 17.1466 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 32.1879, 25.5581, 17.1466**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.1879, 25.5581, 17.1466.



This preview shows how white text looks on a background with the XYZ color 32.1879, 25.5581,



# 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

32.1879, 25.5581, 17.1466

### Protanopia

24.2126, 25.5960, 20.8039

### Deuteranopia

26.1961, 25.6670, 16.6703



## Tritanopia

33.0834, 25.5819, 21.6065

# Trichromacy



## Original Color

32.1879, 25.5581, 17.1466

## Protanomaly

26.5369, 25.1795, 19.3811

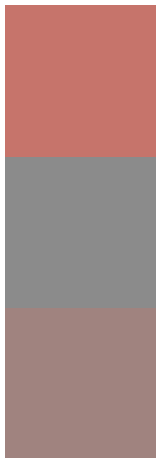
## Deuteranomaly

28.0437, 25.4288, 16.7948

## Tritanomaly

32.8948, 25.6879, 20.0541

# Monochromacy



## Original Color

32.1879, 25.5581, 17.1466

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

26.4443, 25.2385, 23.5564

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.1879, 25.5581, 17.1466 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(198, 116, 107)` looks like.

```
.text, #text, p{  
    color:rgb(198, 116, 107)  
}
```

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(198, 116, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 116, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 32.1879, 25.5581, 17.1466 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(198, 116, 107) }
```



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

```
.border{ border-color:rgb(198, 116, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 116, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 116, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 116, 107);  
box-shadow:4px 4px 4px 4px rgb(198, 116,  
107) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.1879, 25.5581, 17.1466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 116, 107) }
```

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

```
.background{ background-color: rgb(198,  
116, 107) }
```

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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