

# Converting Colors

XYZ(32.0715, 24.8198, 16.9102)

Have a look what the booklet for  
XYZ(32.0715, 24.8198, 16.9102)  
contains.

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# Color

**XYZ(32.0012, 24.7920,  
17.0086)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7706B
RGB	199, 112, 107
RGB Percent	78%, 44%, 42%
CMY	0.2196, 0.5608, 0.5804
CMYK	0.00, 0.44, 0.46, 0.22
HSL	3°, 45%, 60%
HSV	3°, 46%, 78%
XYZ	32.0012, 24.7920, 17.0086
YIQ	137.4430, 53.4570, 16.8890

# Conversions

## Conversions Part 2

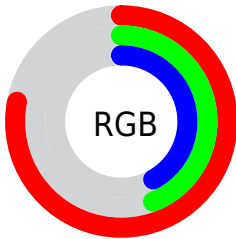
Format	Color
R <sub>Y</sub> B	199, 112, 107
Decimal	13070443
CIE Lab	56.87, 33.74, 17.93
CIE LCh	57, 38.204, 27.989
Yxy	24.7920, 0.4336, 0.3359
Android (android.graphics.Color)	4291260523 (0xFFC7706B)
YUV	137.4430, -15.0084, 53.9855
Hunter-Lab	49.7916, 27.5873, 14.6009

# Details

The XYZ color **32.0012, 24.7920, 17.0086** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **35.6629, 45.8307, 60.9993**, and the grayscale version is **23.9872, 25.2364, 27.4825**.

A 20% lighter version of the original color is **60.8667, 50.6389, 38.9140**, and **13.6936, 9.5223, 5.3912** is the 20% darker color. If you saturate the color by 10%, you get **29.2085, 20.6937, 11.4933**, and if you desaturate by 10%, it is **35.4700, 29.8569, 23.9383**.

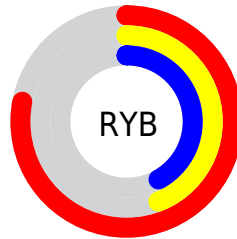
# Distribution



Red (78%)

Green (44%)

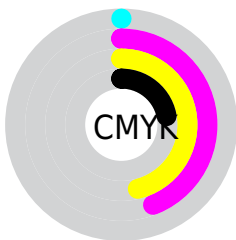
Blue (42%)



Red (78%)

Yellow (44%)

Blue (42%)

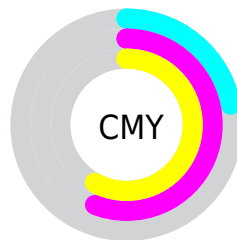


Cyan (0%)

Magenta (44%)

Yellow (46%)

Black (22%)



Cyan (22%)

Magenta (56%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0012, 24.7920, 17.0086 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 32.0012, 24.7920, 17.0086 by changing the saturation by 10% instead.




 32.0012, 24.7920,  
17.0086


 32.0012, 24.7920,  
17.0086


302.8699,  
276.8005, 247.2676


 21.5180, 15.9222,  
10.0786


 62.1782, 51.3196,  
39.1314

 13.6178, 9.4691,  
5.3448


 82.6026, 69.7461,  
55.1613

 7.9352, 5.0484,  
2.3887

 107.0715, 92.1270,  
75.0616

 4.1050, 2.2757,  
0.7803

 135.9501,  
118.8466, 99.2508

 1.7617, 0.7608,  
0.0000

169.6040,  
150.2894, 128.1474

 0.4944, 0.0000,  
0.0000

208.3983,

 0.0000, 0.0000,

186.8397, 162.1701

0.0000

252.6985,  
228.8819, 201.7373

■ 32.0012, 24.7920,  
17.0086

■ 32.0012, 24.7920,  
17.0086

■ 29.2085, 20.6937,  
11.4933

■ 35.4700, 29.8569,  
23.9383

■ 27.0459, 17.4970,  
7.2936

■ 39.6530, 35.9406,  
32.3692

■ 25.4649, 15.1350,  
4.3005


■ 44.5879, 43.0957,  
42.3826


■ 24.4090, 13.5299,  
2.3864


■ 50.3089, 51.3705,  
54.0539


■ 23.8092, 12.5885,  
1.3903

■ 56.8483, 60.8100,  
67.4533

 23.6708, 12.3775,  
1.1415

 64.2366, 71.4569,  
82.6471

 72.5026, 83.3519,  
99.6982

 77.3631, 90.8821,  
108.0723

# Harmonies

## Analogous

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



33.2437, 24.7920, 27.8676



32.0012, 24.7920, 17.0086



28.4219, 24.7920, 11.0350

# Triad

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



32.0012, 24.7920, 17.0086



16.9993, 24.7920, 15.9321



23.2636, 24.7920, 59.8395

# Complementary

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



32.0012, 24.7920, 17.0086



35.6629, 45.8307, 60.9993

# 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.



19.2939, 24.7920, 53.7209



32.0012, 24.7920, 17.0086



15.9734, 24.7920, 26.1394

# Square

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



32.0012, 24.7920, 17.0086



19.7549, 24.7920, 10.5658



16.7578, 24.7920, 40.2781



27.8339, 24.7920, 55.0997



# Rectangle

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



32.0012, 24.7920, 17.0086



25.3990, 24.7920, 9.3620



16.7578, 24.7920, 40.2781



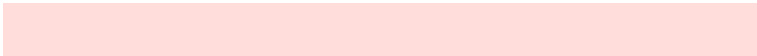
21.8197, 24.7920, 58.9532

# Sweetspot

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



32.0018, 24.7933, 17.0091



79.9862, 78.2312, 78.1095



38.5935, 26.5707, 54.3692



16.6776, 16.1037, 15.8173



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.



32.0018, 24.7933, 17.0091



51.3264, 36.5046, 20.4852



38.3658, 37.5212, 19.1304



10.6794, 10.7279, 11.0706



15.2416, 8.0004, 0.7409



0.7382, 0.4119, 0.0406



# Inverse Universe

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



35.6629, 45.8307, 60.9993



58.4615, 77.5961, 106.5040



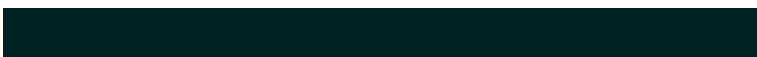
27.0251, 28.5550, 58.1200



10.8954, 11.9648, 13.6527



18.2376, 25.8690, 38.7764

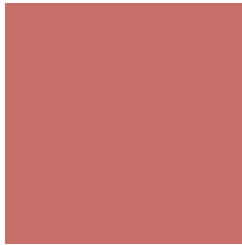


0.8790, 1.2558, 1.8412



# Previews

## White Background



This preview shows how the XYZ color 32.0012, 24.7920, 17.0086 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

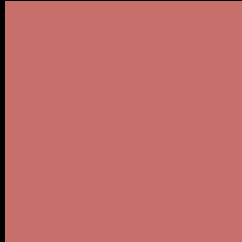
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.0012, 24.7920, 17.0086 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 32.0012, 24.7920, 17.0086**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.0012, 24.7920, 17.0086.



This preview shows how white text looks on a background with the XYZ color 32.0012, 24.7920,



# 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

32.0012, 24.7920, 17.0086

### Protanopia

23.7770, 25.1525, 21.0545

### Deuteranopia

25.3129, 24.8091, 16.5512



## Tritanopia

32.6654, 24.7392, 20.1930

# Trichromacy



## Original Color

32.0012, 24.7920, 17.0086

## Protanomaly

26.1235, 24.5687, 19.5850

## Deuteranomaly

27.4367, 24.5492, 16.6570

## Tritanomaly

32.5411, 24.8631, 19.0035

# Monochromacy



## Original Color

32.0012, 24.7920, 17.0086

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

25.9823, 24.4183, 23.0824

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.0012, 24.7920, 17.0086 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(199, 112, 107)` looks like.

```
.text, #text, p{  
    color:rgb(199, 112, 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(199, 112, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 112, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 32.0012, 24.7920, 17.0086 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(199, 112, 107) }
```



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

```
.border{ border-color:rgb(199, 112, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 112, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 112, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 112, 107);  
box-shadow:4px 4px 4px 4px rgb(199, 112,  
107) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.0012, 24.7920, 17.0086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 112, 107) }
```

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

```
.background{ background-color: rgb(199,  
112, 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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