

# Converting Colors

XYZ(32.5933, 26.7866, 15.6436)

Have a look what the booklet for  
XYZ(32.5933, 26.7866, 15.6436)  
contains.

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# Color

**XYZ(32.5972, 26.8644,  
15.7792)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C67A65
RGB	198, 122, 101
RGB Percent	78%, 48%, 40%
CMY	0.2235, 0.5215, 0.6039
CMYK	0.00, 0.38, 0.49, 0.22
HSL	13°, 46%, 59%
HSV	13°, 49%, 78%
XYZ	32.5972, 26.8644, 15.7792
YIQ	142.3300, 52.0370, 9.5810

# Conversions

## Conversions Part 2

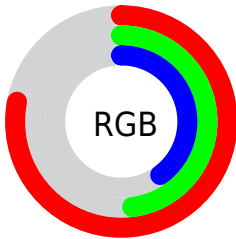
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 128, 101
Decimal	13007461
CIE <sub>Lab</sub>	58.85, 27.36, 24.00
CIE <sub>LCh</sub>	59, 36.395, 41.251
Yxy	26.8644, 0.4332, 0.3570
Android (android.graphics.Color)	4291197541 (0xFFC67A65)
YUV	142.3300, -20.3757, 48.8226
Hunter-Lab	51.8309, 21.5572, 18.2316

# Details

The XYZ color **32.5972, 26.8644, 15.7792** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **31.2812, 38.2865, 59.1673**, and the grayscale version is **25.9063, 27.2555, 29.6812**.

A 20% lighter version of the original color is **62.2375, 54.1869, 36.8846**, and **13.9677, 10.5638, 4.7929** is the 20% darker color. If you saturate the color by 10%, you get **29.9864, 23.0128, 10.6856**, and if you desaturate by 10%, it is **35.7471, 31.4203, 22.2059**.

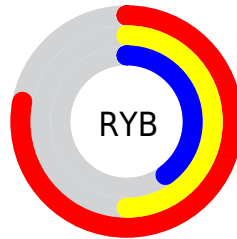
# Distribution



Red (78%)

Green (48%)

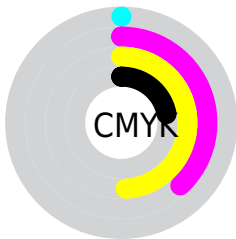
Blue (40%)



Red (78%)

Yellow (50%)

Blue (40%)

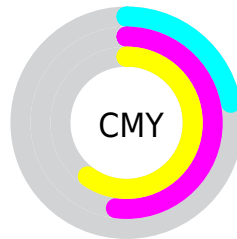


Cyan (0%)

Magenta (38%)

Yellow (49%)

Black (22%)



Cyan (22%)

Magenta (52%)


Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5972, 26.8644, 15.7792 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 32.5972, 26.8644, 15.7792 by changing the saturation by 10% instead.





 32.5972, 26.8644,  
15.7792


 32.5972, 26.8644,  
15.7792


305.5280,  
287.0000, 239.8363


 21.9758, 17.4714,  
9.2154

 63.1050, 54.6662,  
36.9759

 13.9556, 10.5712,  
4.7832


 83.7222, 73.8438,  
52.4459

 8.1713, 5.7793,  
2.0641


 108.4020, 97.0517,  
71.7216

 4.2575, 2.7113,  
0.5943

 137.5098,  
124.6743, 95.2217

 1.8488, 0.9830,  
0.0000

171.4109,  
157.0961, 123.3647

 0.5468, 0.0000,  
0.0000

210.4708,

 0.0000, 0.0000,

194.7014, 156.5691

0.0000

255.0547,  
237.8745, 195.2535

■ 32.5972, 26.8644,  
15.7792

■ 32.5972, 26.8644,  
15.7792

■ 29.9864, 23.0128,  
10.6856

■ 35.7471, 31.4203,  
22.2059

■ 27.8812, 19.8258,  
6.8290

■ 39.4629, 36.7094,  
30.0496

■ 26.2474, 17.2660,  
4.1025


■ 43.7720, 42.7640,  
39.3892


■ 25.0451, 15.2900,  
2.3803


■ 48.6993, 49.6131,  
50.2970

■ 24.2169, 13.8447,  
1.4534


■ 54.2684, 57.2845,  
62.8409

 24.1480, 13.7244,  
1.3763

 60.5014, 65.8042,  
77.0847

 67.4196, 75.1973,  
93.0887

 74.3264, 85.2011,  
107.1358

 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.



34.9814, 26.8644, 24.6831



32.5972, 26.8644, 15.7792



28.4133, 26.8644, 11.5172

# Triad

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



32.5972, 26.8644, 15.7792



18.1940, 26.8644, 21.9954



27.2572, 26.8644, 60.8561

# Complementary

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



32.5972, 26.8644, 15.7792



31.2812, 38.2865, 59.1673

# 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.



22.8558, 26.8644, 59.5012



32.5972, 26.8644, 15.7792



17.9617, 26.8644, 34.3498

# Square

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



32.5972, 26.8644, 15.7792



20.2494, 26.8644, 14.3107



19.5724, 26.8644, 48.7910



31.6658, 26.8644, 52.0811



# Rectangle

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



32.5972, 26.8644, 15.7792



25.3456, 26.8644, 10.8291



19.5724, 26.8644, 48.7910



25.7229, 26.8644, 61.6248

# Sweetspot

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



32.5979, 26.8657, 15.7797



80.6660, 80.1249, 76.6894



36.0387, 24.5518, 45.2756



16.8780, 16.6097, 15.5601



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.



32.5979, 26.8657, 15.7797



52.7307, 40.1987, 18.2236



39.8071, 41.2842, 18.1828



10.8170, 11.0031, 11.1165



15.7563, 9.0298, 0.9125



0.8010, 0.5375, 0.0615



# Inverse Universe

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



31.2812, 38.2865, 59.1673



50.0563, 62.6626, 104.0646



23.5560, 22.8360, 56.5922



10.7443, 11.6627, 13.6023



14.3298, 18.0534, 37.4738



0.7284, 0.9546, 1.7910



# Previews

## White Background



This preview shows how the XYZ color 32.5972, 26.8644, 15.7792 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 32.5972, 26.8644, 15.7792 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 32.5972, 26.8644, 15.7792**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.5972, 26.8644, 15.7792.



This preview shows how white text looks on a background with the XYZ color 32.5972, 26.8644,



# 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

32.5972, 26.8644, 15.7792

### Protanopia

25.4364, 27.1472, 18.6511

### Deuteranopia

27.3709, 26.9252, 15.3097



## Tritanopia

34.1286, 26.7685, 23.4467

# Trichromacy



## Original Color

32.5972, 26.8644, 15.7792

## Protanomaly

27.6800, 26.8245, 17.6287

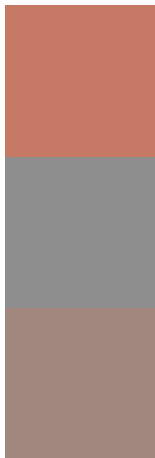
## Deuteranomaly

29.1908, 26.8368, 15.4459

## Tritanomaly

33.4200, 26.6438, 20.5209

# Monochromacy



## Original Color

32.5972, 26.8644, 15.7792

## Achromatopsia

25.7108, 27.0498, 29.4572

## Achromatomaly

27.3950, 26.5416, 23.7578

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.5972, 26.8644, 15.7792 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, 122, 101)` looks like.

```
.text, #text, p{  
    color:rgb(198, 122, 101)  
}
```

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, 122, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 122, 101) }
```

## Border

The CSS property to change the border of an element to XYZ 32.5972, 26.8644, 15.7792 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, 122, 101) }
```



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

```
.border{ border-color:rgb(198, 122, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 122, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 122, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 122, 101);  
box-shadow:4px 4px 4px 4px rgb(198, 122,  
101) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.5972, 26.8644, 15.7792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 122, 101) }
```

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

```
.background{ background-color: rgb(198,  
122, 101) }
```

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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