

# Converting Colors

XYZ(32.1867, 28.9718, 20.2192)

Have a look what the booklet for  
XYZ(32.1867, 28.9718, 20.2192)  
contains.

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# Color

**XYZ(32.1131, 28.8528,  
20.0963)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB8673
RGB	187, 134, 115
RGB Percent	73%, 53%, 45%
CMY	0.2667, 0.4745, 0.5490
CMYK	0.00, 0.28, 0.39, 0.27
HSL	16°, 35%, 59%
HSV	16°, 39%, 73%
XYZ	32.1131, 28.8528, 20.0963
YIQ	147.6810, 37.6870, 5.3270

# Conversions

## Conversions Part 2

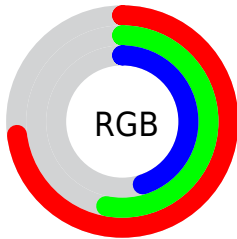
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 141, 115
Decimal	12289651
CIELab	60.65, 17.85, 18.29
CIElCh	61, 25.554, 45.691
Yxy	28.8528, 0.3962, 0.3559
Android (android.graphics.Color)	4290479731 (0xFFBB8673)
YUV	147.6810, -16.1117, 34.4828
Hunter-Lab	53.7148, 12.7143, 15.4182

# Details

The XYZ color **32.1131, 28.8528, 20.0963** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **30.0419, 35.2366, 52.2316**, and the grayscale version is **28.0701, 29.5319, 32.1602**.

A 20% lighter version of the original color is **62.4016, 57.7431, 44.4158**, and **13.6992, 11.6514, 6.8371** is the 20% darker color. If you saturate the color by 10%, you get **29.3642, 24.9058, 14.3988**, and if you desaturate by 10%, it is **35.3295, 33.3851, 27.0271**.

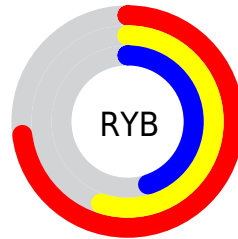
# Distribution



Red (73%)

Green (53%)

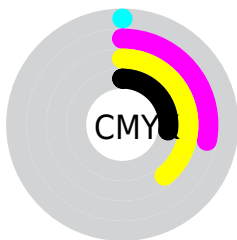
Blue (45%)



Red (73%)

Yellow (55%)

Blue (45%)

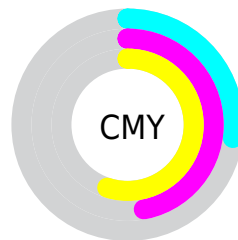


Cyan (0%)

Magenta (28%)

Yellow (39%)

Black (27%)



Cyan (27%)

Magenta (47%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1131, 28.8528, 20.0963 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 32.1131, 28.8528, 20.0963 by changing the saturation by 10% instead.





 32.1131, 28.8528,  
20.0963


 32.1131, 28.8528,  
20.0963


303.3703,  
296.5198, 265.0574

 21.6039, 18.9695,  
12.2803


 62.3523, 57.8431,  
44.4397

 13.6811, 11.6482,  
6.8100

 82.8131, 77.7189,  
61.8041

 7.9794, 6.5046,  
3.2669


 107.3217,  
101.6944, 83.1884

 4.1335, 3.1543,  
1.2325

136.2435,  
130.1539, 109.0112

 1.7779, 1.2128,  
0.0055

169.9439,  
163.4817, 139.6910

 0.5043, 0.0721,  
0.0000

208.7883,

 0.0000, 0.0000,

202.0624, 175.6462

0.0000

253.1420,  
246.2803, 217.2955

■ 32.1131, 28.8528,  
20.0963

■ 32.1131, 28.8528,  
20.0963

■ 29.3642, 24.9058,  
14.3988

■ 35.3295, 33.3851,  
27.0271

■ 27.0576, 21.5157,  
9.8599

■ 39.0322, 38.5215,  
35.2565

■ 25.1695, 18.6578,  
6.3990


■ 43.2418, 44.2848,  
44.8474


■ 23.6722, 16.3038,  
3.9248


■ 47.9769, 50.6956,  
55.8579


■ 22.5344, 14.4226,  
2.3302


■ 53.2553, 57.7733,  
68.3428


 21.7111, 12.9754,  
1.4407

 59.0937, 65.5366,  
82.3540

 21.6068, 12.7915,  
1.3302

 65.5084, 74.0036,  
97.9407

 70.9298, 82.5575,  
106.8045

 74.3035, 89.3048,  
107.9291

# Harmonies

## Analogous

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



34.0173, 28.8528, 26.7404



32.1131, 28.8528, 20.0963



29.0267, 28.8528, 16.8592

# Triad

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



32.1131, 28.8528, 20.0963



21.7084, 28.8528, 27.1235



29.1809, 28.8528, 52.4292

# Complementary

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



32.1131, 28.8528, 20.0963



30.0419, 35.2366, 52.2316

# 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.



25.8809, 28.8528, 52.5895



32.1131, 28.8528, 20.0963



21.7425, 28.8528, 36.6066

# Square

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



32.1131, 28.8528, 20.0963



23.1177, 28.8528, 20.3279



23.2146, 28.8528, 46.3441



32.2338, 28.8528, 45.9425



# Rectangle

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



32.1131, 28.8528, 20.0963



26.7976, 28.8528, 16.5471



23.2146, 28.8528, 46.3441



28.0596, 28.8528, 53.2628

# Sweetspot

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



32.1138, 28.8542, 20.0969



74.5546, 75.3700, 73.6891



33.7858, 25.6911, 40.7144



16.1992, 16.2981, 15.7279



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.1138, 28.8542, 20.0969



53.3984, 45.7759, 27.4283



37.7760, 40.1786, 21.9843



9.7295, 9.9350, 9.9815



14.9386, 8.9161, 0.9336



0.6408, 0.4605, 0.0551



# Inverse Universe

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



30.0419, 35.2366, 52.2316



49.1493, 58.7430, 92.9495



24.4277, 24.0081, 50.3601



9.5897, 10.3718, 12.1687



12.4683, 15.0483, 34.6404



0.5391, 0.6909, 1.3738



# Previews

## White Background



This preview shows how the XYZ color 32.1131, 28.8528, 20.0963 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

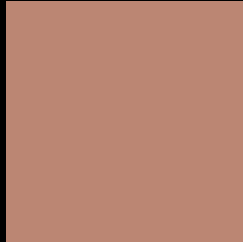
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.1131, 28.8528, 20.0963 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 32.1131, 28.8528, 20.0963**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.1131, 28.8528, 20.0963.



This preview shows how white text looks on a background with the XYZ color 32.1131, 28.8528,



# 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

32.1131, 28.8528, 20.0963

### Protanopia

27.2476, 28.9068, 22.2326

### Deuteranopia

29.5754, 29.0353, 19.9652



## Tritanopia

33.7025, 28.6775, 28.5699

# Trichromacy



## Original Color

32.1131, 28.8528, 20.0963

## Protanomaly

28.9391, 28.8934, 21.5045

## Deuteranomaly

30.2572, 28.7390, 19.8720

## Tritanomaly

32.9521, 28.5627, 25.2491

# Monochromacy



## Original Color

32.1131, 28.8528, 20.0963

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

29.1667, 29.1039, 27.3729

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.1131, 28.8528, 20.0963 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(187, 134, 115)` looks like.

```
.text, #text, p{  
    color:rgb(187, 134, 115)  
}
```

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(187, 134, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 134, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 32.1131, 28.8528, 20.0963 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(187, 134, 115) }
```



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

```
.border{ border-color:rgb(187, 134, 115) }
```

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

Here you see how a box with a 4 pixel rgb(187, 134, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 134, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 134, 115);  
box-shadow:4px 4px 4px 4px rgb(187, 134,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.1131, 28.8528, 20.0963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 134, 115) }
```

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

```
.background{ background-color: rgb(187,  
134, 115) }
```

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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