

# Converting Colors

XYZ(30.7185, 29.5495, 21.8216)

Have a look what the booklet for  
XYZ(30.7185, 29.5495, 21.8216)  
contains.

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# Color

**XYZ(30.8195, 29.6359,  
21.8652)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B08D78
RGB	176, 141, 120
RGB Percent	69%, 55%, 47%
CMY	0.3098, 0.4470, 0.5294
CMYK	0.00, 0.20, 0.32, 0.31
HSL	23°, 26%, 58%
HSV	23°, 32%, 69%
XYZ	30.8195, 29.6359, 21.8652
YIQ	149.0710, 27.6010, 0.8890

# Conversions

## Conversions Part 2

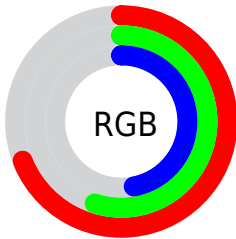
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 154, 120
Decimal	11570552
CIE Lab	61.34, 10.15, 16.22
CIE LCh	61, 19.136, 57.975
Yxy	29.6359, 0.3744, 0.3600
Android (android.graphics.Color)	4289760632 (0xFFB08D78)
YUV	149.0710, -14.3320, 23.6167
Hunter-Lab	54.4389, 5.7863, 14.2936

# Details

The XYZ color **30.8195, 29.6359, 21.8652** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **27.3031, 30.5693, 45.5357**, and the grayscale version is **28.6478, 30.1397, 32.8222**.

A 20% lighter version of the original color is **60.2402, 59.1646, 47.2746**, and **12.9045, 12.0747, 7.6117** is the 20% darker color. If you saturate the color by 10%, you get **28.3061, 26.1642, 16.2332**, and if you desaturate by 10%, it is **33.6919, 33.5111, 28.5861**.

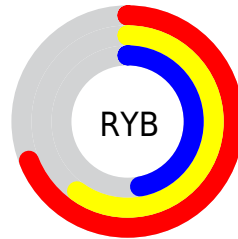
# Distribution



Red (69%)

Green (55%)

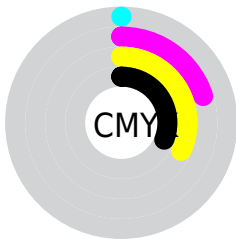
Blue (47%)



Red (69%)

Yellow (60%)

Blue (47%)

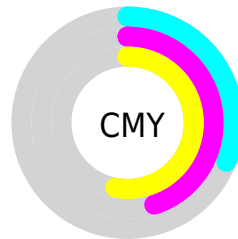


Cyan (0%)

Magenta (20%)

Yellow (32%)

Black (31%)



Cyan (31%)

Magenta (45%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8195, 29.6359, 21.8652 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 30.8195, 29.6359, 21.8652 by changing the saturation by 10% instead.





 30.8195, 29.6359,  
21.8652


 30.8195, 29.6359,  
21.8652


297.5476,  
300.2036, 274.7720


 20.6126, 19.5624,  
13.5605


 60.3336, 59.0859,  
47.4224

 12.9520, 12.0773,  
7.6804


 80.3714, 79.2312,  
65.5121

 7.4722, 6.7964,  
3.8063


 104.4170,  
103.5025, 87.7004

 3.8081, 3.3351,  
1.5197

132.8356,  
132.2843, 114.4060

 1.5941, 1.3091,  
0.2325

165.9926,  
165.9609, 146.0475

 0.3886, 0.1482,  
0.0000

204.2534,

 0.0000, 0.0000,

204.9167, 183.0432

0.0000

247.9833,  
249.5361, 225.8119

■ 30.8195, 29.6359,  
21.8652

■ 30.8195, 29.6359,  
21.8652

■ 28.3061, 26.1642,  
16.2332

■ 33.6919, 33.5111,  
28.5861

■ 26.1339, 23.0781,  
11.6301

■ 36.9354, 37.7986,  
36.4481

■ 24.2871, 20.3646,  
7.9926


■ 40.5643, 42.5120,  
45.5020


■ 22.7472, 18.0081,  
5.2497


■ 44.5916, 47.6632,  
55.7950


■ 21.4939, 15.9916,  
3.3204


■ 49.0294, 53.2634,  
67.3720


 20.5034, 14.2967,  
2.1088

 53.8895, 59.3236,  
80.2752

 19.8534, 13.1279,  
1.4876

 59.1830, 65.8541,  
94.5452

 63.9724, 72.4859,  
105.2272

 67.1127, 78.7666,  
106.2740

# Harmonies

## Analogous

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



32.6729, 29.6359, 26.1806



30.8195, 29.6359, 21.8652



28.3398, 29.6359, 20.2807

# Triad

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



30.8195, 29.6359, 21.8652



23.5930, 29.6359, 31.7800



30.5053, 29.6359, 46.1583

# Complementary

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



30.8195, 29.6359, 21.8652



27.3031, 30.5693, 45.5357

# 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.



27.9969, 29.6359, 48.2386



30.8195, 29.6359, 21.8652



24.0975, 29.6359, 39.2336

# Square

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



30.8195, 29.6359, 21.8652



24.2523, 29.6359, 25.4478



25.6732, 29.6359, 45.5378



32.4840, 29.6359, 40.2104



# Rectangle

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



30.8195, 29.6359, 21.8652



26.6974, 29.6359, 20.7758



25.6732, 29.6359, 45.5378



29.6917, 29.6359, 47.3687

# Sweetspot

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



30.8203, 29.6373, 21.8658



68.0211, 69.9047, 68.6513



30.5768, 25.0456, 34.4391



14.5543, 14.9050, 14.4166



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



30.8203, 29.6373, 21.8658



52.7071, 49.3619, 32.4553



35.3961, 38.7889, 23.3911



8.7488, 9.0102, 8.9306



14.6191, 9.7368, 1.1089



0.5172, 0.4207, 0.0539



# Inverse Universe

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



27.3031, 30.5693, 45.5357



45.3366, 51.2989, 82.0075



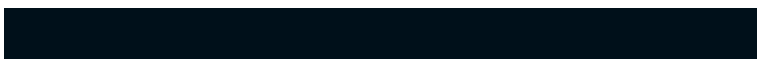
23.2323, 22.4276, 44.1788



8.4695, 9.0852, 10.8135



9.8976, 10.5955, 31.6605



0.3653, 0.4410, 1.0141



# Previews

## White Background



This preview shows how the XYZ color 30.8195, 29.6359, 21.8652 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

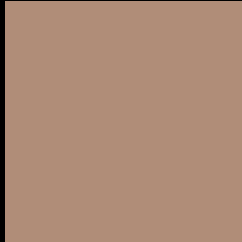
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.8195, 29.6359, 21.8652 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

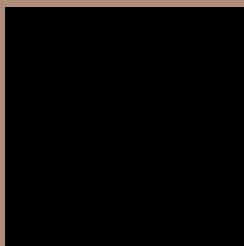
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.8195, 29.6359, 21.8652**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.8195, 29.6359, 21.8652.



This preview shows how white text looks on a background with the XYZ color 30.8195, 29.6359,

21.8652.

# 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

30.8195, 29.6359, 21.8652

### Protanopia

28.0697, 29.7780, 23.0072

### Deuteranopia

30.0764, 29.4727, 21.8729



## Tritanopia

32.8814, 29.6131, 31.9998

# Trichromacy



## Original Color

30.8195, 29.6359, 21.8652

## Protanomaly

28.9481, 29.5485, 22.5900

## Deuteranomaly

30.2967, 29.5863, 21.8832

## Tritanomaly

32.0360, 29.4769, 28.0459

# Monochromacy



## Original Color

30.8195, 29.6359, 21.8652

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

29.1644, 29.7637, 28.2526

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.8195, 29.6359, 21.8652 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(176, 141, 120)` looks like.

```
.text, #text, p{  
    color:rgb(176, 141, 120)  
}
```

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(176, 141, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 141, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 30.8195, 29.6359, 21.8652 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".

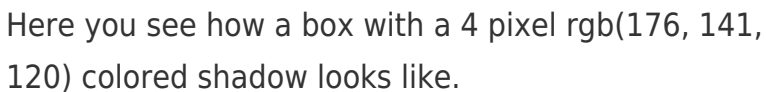
```
.border, #border, table{ border:4px solid rgb(176, 141, 120) }
```



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

```
.border{ border-color:rgb(176, 141, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 141, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 141, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 141, 120); box-shadow:4px 4px 4px 4px rgb(176, 141, 120) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.8195, 29.6359, 21.8652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 141, 120) }
```

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

```
.background{ background-color: rgb(176,  
141, 120) }
```

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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