

# Converting Colors

XYZ(29.2304, 25.6133, 18.2812)

Have a look what the booklet for  
XYZ(29.2304, 25.6133, 18.2812)  
contains.

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# Color

**XYZ(29.2041, 25.6168,  
18.1572)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B57D6E
RGB	181, 125, 110
RGB Percent	71%, 49%, 43%
CMY	0.2902, 0.5098, 0.5686
CMYK	0.00, 0.31, 0.39, 0.29
HSL	13°, 32%, 57%
HSV	13°, 39%, 71%
XYZ	29.2041, 25.6168, 18.1572
YIQ	140.0340, 38.1910, 7.2070

# Conversions

## Conversions Part 2

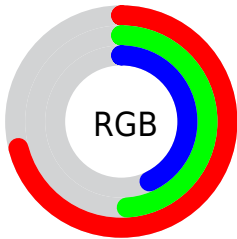
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 129, 110
Decimal	11894126
CIE <sub>Lab</sub>	57.67, 19.85, 16.94
CIE <sub>LCh</sub>	58, 26.089, 40.476
Yxy	25.6168, 0.4002, 0.3510
Android (android.graphics.Color)	4290084206 (0xFFB57D6E)
YUV	140.0340, -14.8068, 35.9272
Hunter-Lab	50.6130, 14.4230, 14.1591

# Details

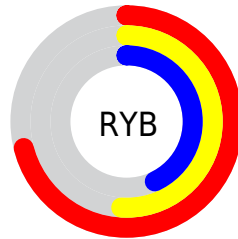
The XYZ color **29.2041, 25.6168, 18.1572** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **28.4064, 33.9221, 48.7663**, and the grayscale version is **24.9864, 26.2876, 28.6272**.

A 20% lighter version of the original color is **57.7019, 52.6266, 41.2991**, and **12.0581, 9.9523, 5.8429** is the 20% darker color. If you saturate the color by 10%, you get **26.6384, 21.9048, 12.9266**, and if you desaturate by 10%, it is **32.2321, 29.9313, 24.5355**.

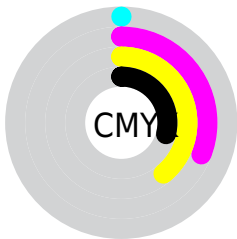
# Distribution



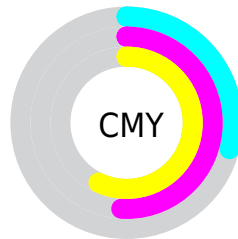
- Red (71%)
- Green (49%)
- Blue (43%)



- Red (71%)
- Yellow (51%)
- Blue (43%)



- Cyan (0%)
- Magenta (31%)
- Yellow (39%)
- Black (29%)




- Cyan (29%)
- Magenta (51%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2041, 25.6168, 18.1572 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 29.2041, 25.6168, 18.1572 by changing the saturation by 10% instead.





 29.2041, 25.6168,  
18.1572


 29.2041, 25.6168,  
18.1572


290.1536,  
280.8959, 254.0214


 19.3803, 16.5372,  
10.8923


 57.7965, 52.6561,  
41.1226


 12.0511, 9.9051,  
5.8812


 77.2959, 71.3846,  
57.6601

 6.8509, 5.3361,  
2.7054


 100.7512, 94.0981,  
78.1256

 3.4145, 2.4458,  
0.9461

 128.5277,  
121.1812, 102.9376

 1.3766, 0.8493,  
0.0000

160.9909,  
153.0181, 132.5146

 0.2394, 0.0000,  
0.0000

198.5060,

 0.0000, 0.0000,

189.9932, 167.2753

0.0000

241.4384,  
232.4910, 207.6380

■ 29.2041, 25.6168,  
18.1572

■ 29.2041, 25.6168,  
18.1572

■ 26.6384, 21.9048,  
12.9266

■ 32.2321, 29.9313,  
24.5355

■ 24.5098, 18.7645,  
8.7736

■ 35.7422, 34.8699,  
32.1230

■ 22.7934, 16.1681,  
5.6226


■ 39.7553, 40.4574,  
40.9784


■ 21.4608, 14.0839,  
3.3875


■ 44.2904, 46.7166,  
51.1564


■ 20.4799, 12.4765,  
1.9676

■ 49.3657, 53.6687,  
62.7083


 19.8009, 11.3013,  
1.1780

 54.9982, 61.3344,  
75.6827

 19.7571, 11.2260,  
1.1255

 61.2046, 69.7331,  
90.1259

 68.0004, 78.8838,  
106.0819

 72.3829, 87.5975,  
107.7008

# Harmonies

## Analogous

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



30.7386, 25.6168, 24.8825



29.2041, 25.6168, 18.1572



26.4091, 25.6168, 14.6272

# Triad

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



29.2041, 25.6168, 18.1572



19.1186, 25.6168, 22.5339



25.4556, 25.6168, 48.4357

# Complementary

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



29.2041, 25.6168, 18.1572



28.4064, 33.9221, 48.7663

# 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.



22.3970, 25.6168, 47.4290



29.2041, 25.6168, 18.1572



18.9108, 25.6168, 31.1356

# Square

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



29.2041, 25.6168, 18.1572



20.6565, 25.6168, 16.7551



20.0625, 25.6168, 40.6024



28.4550, 25.6168, 43.1147



# Rectangle

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



29.2041, 25.6168, 18.1572



24.2981, 25.6168, 13.9944



20.0625, 25.6168, 40.6024



24.3979, 25.6168, 48.8499

# Sweetspot

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



29.2048, 25.6180, 18.1577



68.9670, 69.3580, 68.4308



31.5886, 23.7585, 39.3833



14.7049, 14.7108, 14.3450



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



29.2048, 25.6180, 18.1577



48.3219, 40.1248, 24.3791



34.3894, 35.9873, 19.8859



8.6371, 8.7867, 8.8933



13.6624, 7.8234, 0.7900



0.4718, 0.3301, 0.0388



# Inverse Universe

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



28.4064, 33.9221, 48.7663



46.6673, 57.0224, 86.8414



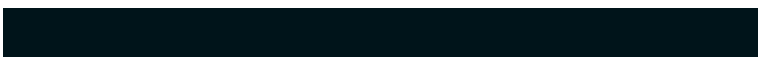
22.9278, 22.9647, 46.9401



8.5872, 9.3206, 10.8528



12.5467, 15.8938, 32.5435



0.4330, 0.5766, 1.0367



# Previews

## White Background



This preview shows how the XYZ color 29.2041, 25.6168, 18.1572 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

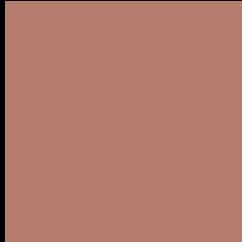
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 29.2041, 25.6168, 18.1572 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

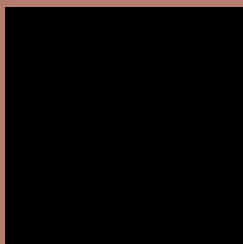
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 29.2041, 25.6168, 18.1572**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.2041, 25.6168, 18.1572.



This preview shows how white text looks on a background with the XYZ color 29.2041, 25.6168,



# 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

29.2041, 25.6168, 18.1572

### Protanopia

24.2391, 25.8372, 20.2325

### Deuteranopia

26.1986, 25.6443, 17.7564



## Tritanopia

30.5847, 25.6250, 24.8069

# Trichromacy



## Original Color

29.2041, 25.6168, 18.1572

## Protanomaly

25.8604, 25.6360, 19.5048

## Deuteranomaly

27.3205, 25.6154, 17.9723

## Tritanomaly

29.9495, 25.5411, 22.0903

# Monochromacy



## Original Color

29.2041, 25.6168, 18.1572

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

26.1440, 25.8815, 24.3866

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.2041, 25.6168, 18.1572 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(181, 125, 110)` looks like.

```
.text, #text, p{  
    color:rgb(181, 125, 110)  
}
```

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(181, 125, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 125, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 29.2041, 25.6168, 18.1572 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(181, 125, 110) }
```



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

```
.border{ border-color:rgb(181, 125, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 125, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 125, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 125, 110);  
box-shadow:4px 4px 4px 4px rgb(181, 125,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.2041, 25.6168, 18.1572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 125, 110) }
```

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

```
.background{ background-color: rgb(181,  
125, 110) }
```

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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