

# Converting Colors

XYZ(27.9107, 26.5319, 23.3786)

Have a look what the booklet for  
XYZ(27.9107, 26.5319, 23.3786)  
contains.

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# Color

**XYZ(28.0169, 26.6635,  
23.4086)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A6867E
RGB	166, 134, 126
RGB Percent	65%, 53%, 49%
CMY	0.3490, 0.4745, 0.5059
CMYK	0.00, 0.19, 0.24, 0.35
HSL	12°, 18%, 57%
HSV	12°, 24%, 65%
XYZ	28.0169, 26.6635, 23.4086
YIQ	142.6560, 21.6400, 4.2960

# Conversions

## Conversions Part 2

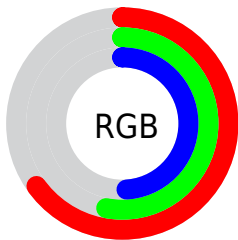
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 136, 126
Decimal	10913406
CIE <sub>Lab</sub>	58.66, 10.94, 8.91
CIE <sub>LCh</sub>	59, 14.114, 39.168
Yxy	26.6635, 0.3588, 0.3415
Android (android.graphics.Color)	4289103486 (0xFFA6867E)
YUV	142.6560, -8.2114, 20.4727
Hunter-Lab	51.6367, 6.4858, 9.2676

# Details

The XYZ color **28.0169, 26.6635, 23.4086** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **27.7138, 31.6419, 40.7235**, and the grayscale version is **25.9975, 27.3514, 29.7857**.

A 20% lighter version of the original color is **56.0312, 54.3249, 50.1804**, and **11.3199, 10.3872, 8.4295** is the 20% darker color. If you saturate the color by 10%, you get **25.3120, 22.8279, 17.6536**, and if you desaturate by 10%, it is **31.1315, 31.0336, 30.1778**.

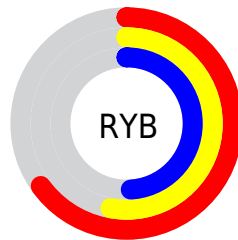
# Distribution



Red (65%)

Green (53%)

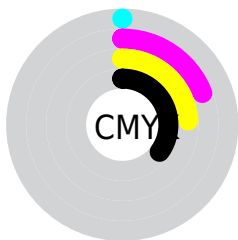
Blue (49%)



Red (65%)

Yellow (53%)

Blue (49%)

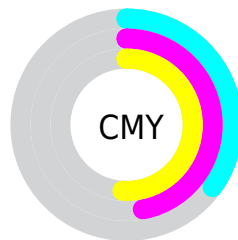


Cyan (0%)

Magenta (19%)

Yellow (24%)

Black (35%)



Cyan (35%)

Magenta (47%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0169, 26.6635, 23.4086 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 28.0169, 26.6635, 23.4086 by changing the saturation by 10% instead.



■ 28.0169, 26.6635,  
23.4086

■ 28.0169, 26.6635,  
23.4086

284.6263,  
286.0241, 283.0064

■ 18.4789, 17.3207,  
14.6874

■ 55.9199, 54.3434,  
49.9951

■ 11.3961, 10.4634,  
8.4561

■ 75.0156, 73.4493,  
68.6974

■ 6.4032, 5.7073,  
4.2962

■ 98.0279, 96.5783,  
91.5638

■ 3.1347, 2.6679,  
1.7892

125.3222,  
124.1148, 119.0128

■ 1.2254, 0.9609,  
0.4208

157.2638,  
156.4433, 151.4631

■ 0.1263, 0.0000,  
0.0000

194.2182,

■ 0.0000, 0.0000,

193.9481, 189.3331

0.0000

236.5505,  
237.0135, 233.0413

■ 28.0169, 26.6635,  
23.4086

■ 28.0169, 26.6635,  
23.4086

■ 25.3120, 22.8279,  
17.6536

■ 31.1315, 31.0336,  
30.1778

■ 22.9973, 19.5025,  
12.8620

■ 34.6699, 35.9540,  
38.0050

■ 21.0551, 16.6669,  
8.9815

■ 38.6481, 41.4443,  
46.9338

■ 19.4653, 14.2974,  
5.9536

■ 43.0806, 47.5219,  
57.0047

■ 18.2057, 12.3687,  
3.7134

■ 47.9814, 54.2038,  
68.2560

■ 17.2516, 10.8527,  
2.1864

■ 53.3637, 61.5059,  
80.7244

■ 16.5744, 9.7180,  
1.2836

■ 59.2403, 69.4439,  
94.4449

■ 16.2758, 9.2066,  
0.9192

■ 65.0052, 77.7854,  
106.1957

■ 69.0636, 85.9022,  
107.5485

# Harmonies

## Analogous

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



28.7792, 26.6635, 27.5369



28.0169, 26.6635, 23.4086



26.5472, 26.6635, 20.9902

# Triad

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



28.0169, 26.6635, 23.4086



22.3524, 26.6635, 25.7667



25.8779, 26.6635, 39.5168

# Complementary

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



28.0169, 26.6635, 23.4086



27.7138, 31.6419, 40.7235

# 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.



24.1755, 26.6635, 38.9031



28.0169, 26.6635, 23.4086



22.1915, 26.6635, 30.5803

# Square

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



28.0169, 26.6635, 23.4086



23.2946, 26.6635, 22.2399



22.8446, 26.6635, 35.4908



27.5077, 26.6635, 37.0829



# Rectangle

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



28.0169, 26.6635, 23.4086



25.3913, 26.6635, 20.4921



22.8446, 26.6635, 35.4908



25.2945, 26.6635, 39.6656

# Sweetspot

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



28.0176, 26.6647, 23.4092



60.8906, 62.4355, 64.4572



29.3586, 25.4977, 35.7222



13.5438, 13.8574, 14.2415



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



28.0176, 26.6647, 23.4092



48.0864, 44.4861, 36.5772



31.0477, 32.7249, 24.4192



7.6482, 7.7764, 7.8872



12.6486, 7.1945, 0.7220



0.3410, 0.2416, 0.0287



# Inverse Universe

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



27.7138, 31.6419, 40.7235



47.4321, 55.1247, 73.6155



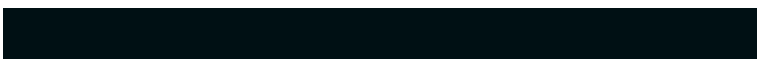
24.5759, 25.3661, 39.6775



7.6182, 8.2733, 9.6137



11.8523, 15.1648, 30.2779



0.3199, 0.4320, 0.7472



# Previews

## White Background



This preview shows how the XYZ color 28.0169, 26.6635, 23.4086 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

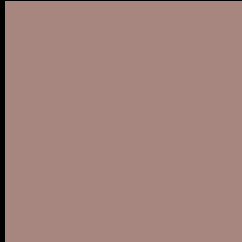
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.0169, 26.6635, 23.4086 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 28.0169, 26.6635, 23.4086**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.0169, 26.6635, 23.4086.



This preview shows how white text looks on a background with the XYZ color 28.0169, 26.6635,

23.4086.

# 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

28.0169, 26.6635, 23.4086

### Protanopia

25.5868, 26.8645, 24.9559

### Deuteranopia

27.2680, 26.6917, 23.4535



## Tritanopia

29.2822, 26.7804, 29.2170

# Trichromacy



## Original Color

28.0169, 26.6635, 23.4086

## Protanomaly

26.3774, 26.6320, 24.5191

## Deuteranomaly

27.5341, 26.6208, 23.4258

## Tritanomaly

28.7678, 26.7681, 26.9431

# Monochromacy



## Original Color

28.0169, 26.6635, 23.4086

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

26.6559, 27.1416, 27.5008

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.0169, 26.6635, 23.4086 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(166, 134, 126) looks like.

```
.text, #text, p{  
    color:rgb(166, 134, 126)  
}
```

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(166, 134, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 134, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 28.0169, 26.6635, 23.4086 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(166, 134, 126) }
```



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

```
.border{ border-color:rgb(166, 134, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 134, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 134, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 134, 126);  
box-shadow:4px 4px 4px 4px rgb(166, 134,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.0169, 26.6635, 23.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 134, 126) }
```

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

```
.background{ background-color: rgb(166,  
134, 126) }
```

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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