

# Converting Colors

XYZ(36.5917, 28.1233, 26.6723)

Have a look what the booklet for  
XYZ(36.5917, 28.1233, 26.6723)  
contains.

<b>XYZ(36.4944, 28.0930, 26.7916)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(36.4944, 28.0930,  
26.7916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CE7788
RGB	206, 119, 136
RGB Percent	81%, 47%, 53%
CMY	0.1922, 0.5333, 0.4667
CMYK	0.00, 0.42, 0.34, 0.19
HSL	348°, 47%, 64%
HSV	348°, 42%, 81%
XYZ	36.4944, 28.0930, 26.7916
YIQ	146.9510, 46.3950, 23.7310

# Conversions

## Conversions Part 2

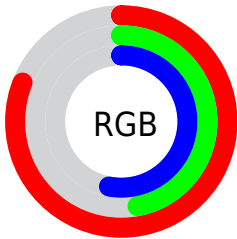
Format	Color
R <sub>Y</sub> B	206, 119, 136
Decimal	13531016
CIE Lab	59.97, 35.94, 5.66
CIE LCh	60, 36.387, 8.950
Yxy	28.0930, 0.3994, 0.3074
Android (android.graphics.Color)	4291721096 (0xFFCE7788)
YUV	146.9510, -5.3988, 51.7860
Hunter-Lab	53.0028, 30.1489, 7.1324

# Details

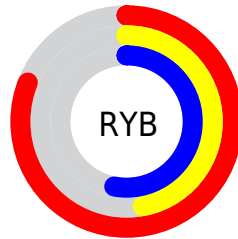
The XYZ color **36.4944, 28.0930, 26.7916** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **38.8657, 51.7394, 56.0851**, and the grayscale version is **27.7218, 29.1655, 31.7612**.

A 20% lighter version of the original color is **65.3689, 54.8213, 55.2804**, and **16.1413, 11.1957, 10.1143** is the 20% darker color. If you saturate the color by 10%, you get **33.2148, 23.2754, 20.3290**, and if you desaturate by 10%, it is **40.4891, 34.0488, 34.3920**.

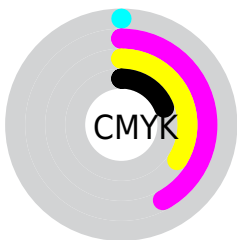
# Distribution



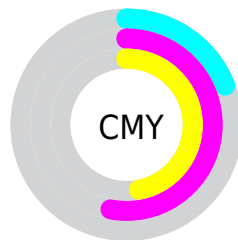
- Red (81%)
- Green (47%)
- Blue (53%)



- Red (81%)
- Yellow (47%)
- Blue (53%)



- Cyan (0%)
- Magenta (42%)
- Yellow (34%)
- Black (19%)




- Cyan (19%)
- Magenta (53%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4944, 28.0930, 26.7916 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 36.4944, 28.0930, 26.7916 by changing the saturation by 10% instead.





 36.4944, 28.0930,  
26.7916


 36.4944, 28.0930,  
26.7916


322.5100,  
292.9110, 300.3748


 24.9881, 18.3958,  
17.1857


 69.1134, 56.6329,  
55.5489

 16.1969, 11.2345,  
10.2036


 90.9568, 76.2443,  
75.5375

 9.7553, 6.2248,  
5.4268


 116.9767, 99.9293,  
99.8240

 5.2981, 2.9822,  
2.4367

147.5383,  
128.0722, 128.8270

 2.4597, 1.1225,  
0.8063

183.0071,  
161.0575, 162.9650

 0.8750, 0.0000,  
0.0000

223.7485,

 0.0000, 0.0000,

199.2694, 202.6567

0.0000

270.1276,  
243.0925, 248.3204

■ 36.4944, 28.0930,  
26.7916

■ 36.4944, 28.0930,  
26.7916

■ 33.2148, 23.2754,  
20.3290

■ 40.4891, 34.0488,  
34.3920

■ 30.6049, 19.5193,  
14.9470

■ 45.2359, 41.2050,  
43.1802

■ 28.6178, 16.7448,  
10.5859


■ 50.7720, 49.6241,  
53.2051


■ 27.1990, 14.8590,  
7.1791


■ 57.1316, 59.3631,  
64.5126


■ 26.2845, 13.7508,  
4.6518

■ 64.3467, 70.4754,  
77.1458

 25.8409, 13.2767,  
3.2301

 72.4475, 83.0117,  
91.1463

 78.7891, 91.6720,  
105.6621

 79.2637, 91.8619,  
108.1612

# Harmonies

## Analogous

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



35.8996, 28.0930, 40.6884



36.4944, 28.0930, 26.7916



34.2391, 28.0930, 17.1991

# Triad

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



36.4944, 28.0930, 26.7916



21.4878, 28.0930, 14.7384



23.6304, 28.0930, 61.0794

# Complementary

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



36.4944, 28.0930, 26.7916



38.8657, 51.7394, 56.0851

# 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.



20.3604, 28.0930, 49.5748



36.4944, 28.0930, 26.7916



19.2263, 28.0930, 22.3157

# Square

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



36.4944, 28.0930, 26.7916



25.3406, 28.0930, 11.6853



18.8389, 28.0930, 34.7282



28.1104, 28.0930, 63.3113



# Rectangle

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



36.4944, 28.0930, 26.7916



31.5606, 28.0930, 13.5347



18.8389, 28.0930, 34.7282



22.3687, 28.0930, 58.0371

# Sweetspot

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



36.4952, 28.0944, 26.7921



81.3704, 79.0425, 84.6045



38.6256, 28.4191, 61.8424



16.9691, 16.2363, 17.3031



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.



36.4952, 28.0944, 26.7921



54.1011, 38.1281, 33.5131



38.9251, 34.7365, 22.1077



11.3004, 11.2489, 12.1166



15.9394, 8.1864, 2.1339



0.8495, 0.4332, 0.2534



# Inverse Universe

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



36.4952, 28.0944, 26.7921



54.1011, 38.1281, 33.5131



35.0506, 40.9815, 64.4556



11.3004, 11.2489, 12.1166



15.9394, 8.1864, 2.1339



0.8495, 0.4332, 0.2534



# Previews

## White Background



This preview shows how the XYZ color 36.4944, 28.0930, 26.7916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

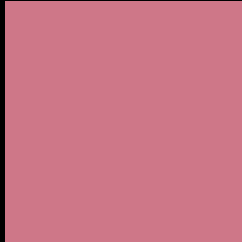
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 36.4944, 28.0930, 26.7916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

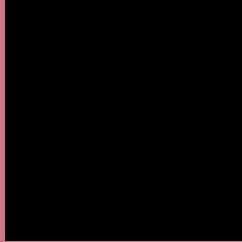
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 36.4944, 28.0930, 26.7916**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.4944, 28.0930, 26.7916.



This preview shows how white text looks on a background with the XYZ color 36.4944, 28.0930,



# 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

36.4944, 28.0930, 26.7916

### Protanopia

27.3323, 28.2595, 32.8682

### Deuteranopia

28.8528, 28.3146, 25.7744



## Tritanopia

35.8558, 27.9971, 24.2830

# Trichromacy



## Original Color

36.4944, 28.0930, 26.7916

## Protanomaly

29.9233, 27.6971, 30.5570

## Deuteranomaly

31.0753, 27.7797, 25.9145

## Tritanomaly

36.0582, 28.0780, 25.3489

# Monochromacy



## Original Color

36.4944, 28.0930, 26.7916

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

30.0520, 28.1993, 29.8457

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.4944, 28.0930, 26.7916 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(206, 119, 136)` looks like.

```
.text, #text, p{  
    color:rgb(206, 119, 136)  
}
```

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(206, 119, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 119, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 36.4944, 28.0930, 26.7916 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(206, 119, 136) }
```



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

```
.border{ border-color:rgb(206, 119, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 119, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 119, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 119, 136);  
box-shadow:4px 4px 4px 4px rgb(206, 119,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.4944, 28.0930, 26.7916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 119, 136) }
```

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

```
.background{ background-color: rgb(206,  
119, 136) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor