

# Converting Colors

XYZ(42.7519, 35.8528, 29.9645)

Have a look what the booklet for  
XYZ(42.7519, 35.8528, 29.9645)  
contains.

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# Color

**XYZ(42.7996, 35.8680,  
29.8667)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D88E8D
RGB	216, 142, 141
RGB Percent	85%, 56%, 55%
CMY	0.1529, 0.4431, 0.4471
CMYK	0.00, 0.34, 0.35, 0.15
HSL	1°, 49%, 70%
HSV	1°, 35%, 85%
XYZ	42.7996, 35.8680, 29.8667
YIQ	164.0120, 44.4250, 15.3770

# Conversions

## Conversions Part 2

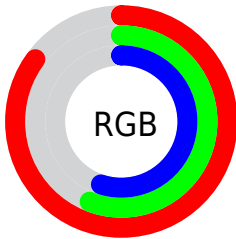
Format	Color
R <sub>Y</sub> B	216, 142, 141
Decimal	14192269
CIE Lab	66.42, 27.99, 12.15
CIE LCh	66, 30.510, 23.473
Yxy	35.8680, 0.3943, 0.3305
Android (android.graphics.Color)	4292382349 (0xFFD88E8D)
YUV	164.0120, -11.3449, 45.5935
Hunter-Lab	59.8899, 22.7556, 12.3554

# Details

The XYZ color **42.7996, 35.8680, 29.8667** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.6786, 59.2192, 73.8833**, and the grayscale version is **35.3306, 37.1706, 40.4787**.

A 20% lighter version of the original color is **70.8303, 64.6800, 60.3811**, and **19.9275, 15.6084, 11.8600** is the 20% darker color. If you saturate the color by 10%, you get **38.4732, 29.5412, 21.2536**, and if you desaturate by 10%, it is **48.0475, 43.5359, 40.3341**.

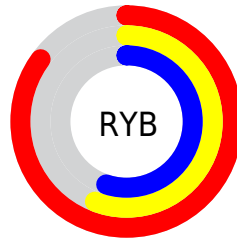
# Distribution



Red (85%)

Green (56%)

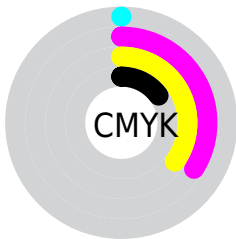
Blue (55%)



Red (85%)

Yellow (56%)

Blue (55%)

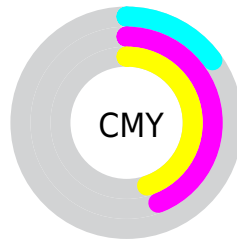


Cyan (0%)

Magenta (34%)

Yellow (35%)

Black (15%)



Cyan (15%)

Magenta (44%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7996, 35.8680, 29.8667 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 42.7996, 35.8680, 29.8667 by changing the saturation by 10% instead.





 42.7996, 35.8680,  
29.8667


 42.7996, 35.8680,  
29.8667

348.7225,  
328.3832, 315.4706


 29.9217, 24.3323,  
19.4862


 78.6660, 68.8283,  
60.5098

 19.9270, 15.5803,  
11.8418


 102.3852, 91.0216,  
81.6096

 12.4499, 9.2276,  
6.5148


 130.4489,  
117.5363, 107.1195

 7.1252, 4.8900,  
3.0868

163.2225,  
148.7566, 137.4581

 3.5876, 2.1828,  
1.1391

201.0713,  
185.0671, 173.0440

 1.4716, 0.7106,  
0.0000

244.3606,

 0.3064, 0.0000,

226.8521, 214.2957

0.0000

293.4559,  
274.4960, 261.6317

0.0000, 0.0000,  
0.0000

42.7996, 35.8680,  
29.8667

42.7996, 35.8680,  
29.8667

38.4732, 29.5412,  
21.2536

48.0475, 43.5359,  
40.3341

35.0125, 24.4737,  
14.3846

54.2628, 52.6101,  
52.7528

32.3600, 20.5828,  
9.1415

61.4916, 63.1581,  
67.2156

30.4504, 17.7738,  
5.3903

69.7765, 75.2412,  
83.8090

29.2079, 15.9376,  
2.9758

79.1575, 88.9176,  
102.6141

■ 28.5406, 14.9419,  
1.7087

■ 82.1289, 93.3389,  
108.2953

■ 28.3503, 14.6617,  
1.3358

# Harmonies

## Analogous

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



43.5840, 35.8680, 41.9840



42.7996, 35.8680, 29.8667



39.5913, 35.8680, 22.1267

# Triad

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



42.7996, 35.8680, 29.8667



27.5090, 35.8680, 25.9133



33.1027, 35.8680, 69.7573

# Complementary

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



42.7996, 35.8680, 29.8667



47.6786, 59.2192, 73.8833

# 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.



29.1261, 35.8680, 62.9570



42.7996, 35.8680, 29.8667



26.0882, 35.8680, 36.2639

# Square

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



42.7996, 35.8680, 29.8667



30.7111, 35.8680, 20.2260



26.6527, 35.8680, 49.9555



37.7112, 35.8680, 66.9707



# Rectangle

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



42.7996, 35.8680, 29.8667



36.6517, 35.8680, 19.5612



26.6527, 35.8680, 49.9555



31.6533, 35.8680, 68.4753

# Sweetspot

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



42.8005, 35.8697, 29.8674



83.7055, 83.4506, 86.1911



50.2386, 38.6068, 69.7698



17.6018, 17.4027, 17.8190



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.



42.8005, 35.8697, 29.8674



57.3779, 44.9959, 33.6364



49.1469, 48.5624, 31.9828



12.4365, 12.4472, 12.9078



16.7868, 8.6908, 0.7927



1.0173, 0.5338, 0.0494



# Inverse Universe

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



47.6786, 59.2192, 73.8833



65.5487, 84.1146, 107.3887



39.3995, 42.6610, 71.1236



12.7773, 14.0780, 15.9814



21.4429, 31.1475, 43.3351

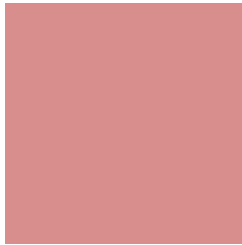


1.2980, 1.8880, 2.6153



# Previews

## White Background



This preview shows how the XYZ color 42.7996, 35.8680, 29.8667 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

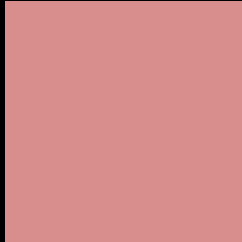
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.7996, 35.8680, 29.8667 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

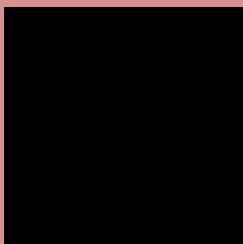
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.7996, 35.8680, 29.8667**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7996, 35.8680, 29.8667.



This preview shows how white text looks on a background with the XYZ color 42.7996, 35.8680,

29.8667.

# 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

42.7996, 35.8680, 29.8667

### Protanopia

34.2671, 35.9396, 34.4091

### Deuteranopia

36.7256, 36.0510, 29.0676



## Tritanopia

43.5793, 35.7422, 33.8802

# Trichromacy



## Original Color

42.7996, 35.8680, 29.8667

## Protanomaly

36.8296, 35.5321, 32.5210

## Deuteranomaly

38.7528, 35.8676, 29.3067

## Tritanomaly

43.4066, 35.9081, 32.2469

# Monochromacy



## Original Color

42.7996, 35.8680, 29.8667

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

37.4177, 36.2445, 36.4763

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7996, 35.8680, 29.8667 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(216, 142, 141)` looks like.

```
.text, #text, p{  
    color:rgb(216, 142, 141)  
}
```

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(216, 142, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 142, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7996, 35.8680, 29.8667 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(216, 142, 141) }
```



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

```
.border{ border-color:rgb(216, 142, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 142, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 142, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 142, 141);  
box-shadow:4px 4px 4px 4px rgb(216, 142,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7996, 35.8680, 29.8667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 142, 141) }
```

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

```
.background{ background-color: rgb(216,  
142, 141) }
```

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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