

# Converting Colors

XYZ(35.7378, 28.7905, 35.5622)

Have a look what the booklet for  
XYZ(35.7378, 28.7905, 35.5622)  
contains.

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# Color

**XYZ(35.7948, 28.8254,  
35.5755)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C27E9D
RGB	194, 126, 157
RGB Percent	76%, 49%, 62%
CMY	0.2392, 0.5059, 0.3843
CMYK	0.00, 0.35, 0.19, 0.24
HSL	333°, 36%, 63%
HSV	333°, 35%, 76%
XYZ	35.7948, 28.8254, 35.5755
YIQ	149.8660, 30.5770, 24.0570

# Conversions

## Conversions Part 2

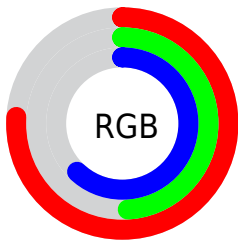
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 126, 157
Decimal	12746397
CIELab	60.63, 30.79, -5.63
CIELCh	61, 31.296, 349.628
Yxy	28.8254, 0.3572, 0.2877
Android (android.graphics.Color)	4290936477 (0xFFC27E9D)
YUV	149.8660, 3.5171, 38.7055
Hunter-Lab	53.6893, 25.0502, -1.7041

# Details

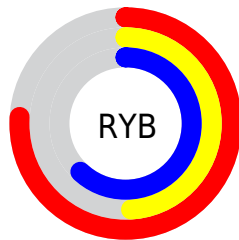
The XYZ color **35.7948, 28.8254, 35.5755** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.5081, 45.6643, 41.6479**, and the grayscale version is **28.9099, 30.4154, 33.1224**.

A 20% lighter version of the original color is **68.3498, 58.0914, 69.8977**, and **15.8334, 11.6985, 15.0592** is the 20% darker color. If you saturate the color by 10%, you get **32.6878, 23.9918, 30.2837**, and if you desaturate by 10%, it is **39.4624, 34.6549, 41.4391**.

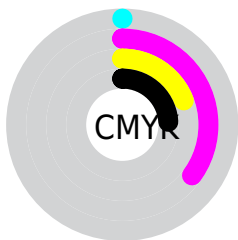
# Distribution



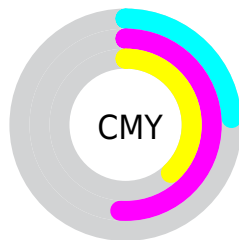
- Red (76%)
- Green (49%)
- Blue (62%)



- Red (76%)
- Yellow (49%)
- Blue (62%)



- Cyan (0%)
- Magenta (35%)
- Yellow (19%)
- Black (24%)




- Cyan (24%)
- Magenta (51%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7948, 28.8254, 35.5755 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 35.7948, 28.8254, 35.5755 by changing the saturation by 10% instead.





 35.7948, 28.8254,  
35.5755


 35.7948, 28.8254,  
35.5755


319.5097,  
296.3903, 342.0824


 24.4451, 18.9488,  
23.8194


 68.0412, 57.7996,  
69.5380

 15.7907, 11.6333,  
14.9888


 89.6686, 77.6659,  
92.5815

 9.4661, 6.4945,  
8.6650


 115.4526,  
101.6309, 120.2246

 5.1059, 3.1480,  
4.4295

145.7586,  
130.0790, 152.8858

 2.3449, 1.2095,  
1.8638

180.9520,  
163.3946, 190.9836

 0.8175, 0.0694,  
0.4695

221.3981,

 0.0000, 0.0000,

201.9621, 234.9367

0.0000

267.4622,  
246.1658, 285.1634

■ 35.7948, 28.8254,  
35.5755

■ 35.7948, 28.8254,  
35.5755

■ 32.6878, 23.9918,  
30.2837

■ 39.4624, 34.6549,  
41.4391

■ 30.1090, 20.0934,  
25.5422

■ 43.7156, 41.5284,  
47.8911

■ 28.0265, 17.0692,  
21.3306

■ 48.5810, 49.4955,  
54.9498


■ 26.4034, 14.8492,  
17.6263


■ 54.0826, 58.6018,  
62.6319

■ 25.1975, 13.3523,  
14.4040


■ 60.2433, 68.8899,  
70.9534


 24.3577, 12.4800,  
11.6353

 67.0846, 80.4006,  
79.9297

 24.0278, 12.1812,  
10.4121

 72.4175, 88.7531,  
88.8390

 73.9533, 89.3674,  
96.9263

 75.5805, 90.0183,  
105.4953

# Harmonies

## Analogous

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



33.7697, 28.8254, 48.1642



35.7948, 28.8254, 35.5755



35.4075, 28.8254, 24.4740

# Triad

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



35.7948, 28.8254, 35.5755



24.8640, 28.8254, 14.7161



22.6562, 28.8254, 51.6301

# Complementary

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



35.7948, 28.8254, 35.5755



34.5081, 45.6643, 41.6479

# 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.



20.6973, 28.8254, 39.4903



35.7948, 28.8254, 35.5755



21.8823, 28.8254, 19.0416

# Square

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



35.7948, 28.8254, 35.5755



28.8239, 28.8254, 14.1610



20.4286, 28.8254, 27.5390



26.0193, 28.8254, 58.8357



# Rectangle

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



35.7948, 28.8254, 35.5755



33.8446, 28.8254, 19.2012



20.4286, 28.8254, 27.5390



21.8263, 28.8254, 47.8694

# Sweetspot

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



35.7956, 28.8267, 35.5761



82.4827, 80.5917, 91.5893



32.1542, 26.5277, 54.4649



17.8020, 17.2225, 19.6757



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.



35.7956, 28.8267, 35.5761



60.4745, 45.3964, 57.0592



33.7691, 28.4852, 23.4587



10.2598, 10.1525, 11.4589



15.8378, 8.0249, 7.0580



0.7190, 0.3606, 0.4878



# Inverse Universe

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



35.7956, 28.8267, 35.5761



60.4745, 45.3964, 57.0592



37.1339, 45.9136, 57.9443



10.2598, 10.1525, 11.4589



15.8378, 8.0249, 7.0580

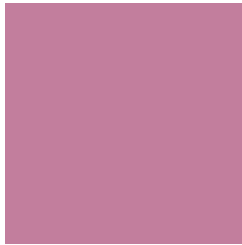


0.7190, 0.3606, 0.4878



# Previews

## White Background



This preview shows how the XYZ color 35.7948, 28.8254, 35.5755 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 35.7948, 28.8254, 35.5755 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

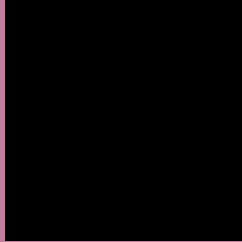
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.7948, 28.8254, 35.5755**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.7948, 28.8254, 35.5755.



This preview shows how white text looks on a background with the XYZ color 35.7948, 28.8254,

35.5755.

# 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

35.7948, 28.8254, 35.5755

### Protanopia

28.4422, 28.8662, 41.6088

### Deuteranopia

29.4104, 28.8472, 34.5898



## Tritanopia

34.2487, 28.7711, 28.1744

# Trichromacy



## Original Color

35.7948, 28.8254, 35.5755

## Protanomaly

30.5780, 28.4706, 39.4811

## Deuteranomaly

31.2981, 28.5209, 34.8658

## Tritanomaly

34.8998, 28.8511, 30.9235

# Monochromacy



## Original Color

35.7948, 28.8254, 35.5755

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

31.0005, 29.4567, 34.1888

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.7948, 28.8254, 35.5755 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(194, 126, 157)` looks like.

```
.text, #text, p{  
    color:rgb(194, 126, 157)  
}
```

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(194, 126, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 126, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 35.7948, 28.8254, 35.5755 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(194, 126, 157) }
```



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

```
.border{ border-color:rgb(194, 126, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 126, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 126, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 126, 157);  
box-shadow:4px 4px 4px 4px rgb(194, 126,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.7948, 28.8254, 35.5755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 126, 157) }
```

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

```
.background{ background-color: rgb(194,  
126, 157) }
```

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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