

# Converting Colors

XYZ(35.4124, 28.2183, 22.0581)

Have a look what the booklet for  
XYZ(35.4124, 28.2183, 22.0581)  
contains.

<b>XYZ(35.3742, 28.1616, 21.9837)</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(35.3742, 28.1616,  
21.9837)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC7A7A
RGB	204, 122, 122
RGB Percent	80%, 48%, 48%
CMY	0.2000, 0.5215, 0.5216
CMYK	0.00, 0.40, 0.40, 0.20
HSL	0°, 45%, 64%
HSV	0°, 40%, 80%
XYZ	35.3742, 28.1616, 21.9837
YIQ	146.5180, 48.8720, 17.3840

# Conversions

## Conversions Part 2

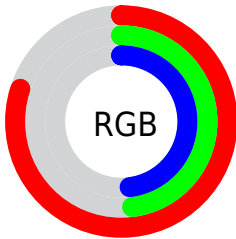
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 122, 122
Decimal	13400698
CIELab	60.03, 31.92, 13.76
CIElCh	60, 34.761, 23.325
Yxy	28.1616, 0.4136, 0.3293
Android (android.graphics.Color)	4291590778 (0xFFCC7A7A)
YUV	146.5180, -12.0874, 50.4117
Hunter-Lab	53.0675, 26.1180, 12.5858

# Details

The XYZ color **35.3742, 28.1616, 21.9837** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **40.5169, 51.6806, 64.9665**, and the grayscale version is **27.5692, 29.0049, 31.5864**.

A 20% lighter version of the original color is **64.2100, 54.9759, 47.2716**, and **15.5526, 11.3188, 7.6684** is the 20% darker color. If you saturate the color by 10%, you get **31.9931, 23.2144, 15.2615**, and if you desaturate by 10%, it is **39.5477, 34.2690, 30.2795**.

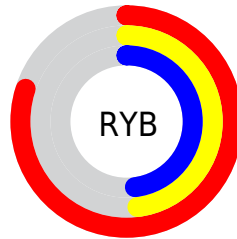
# Distribution



Red (80%)

Green (48%)

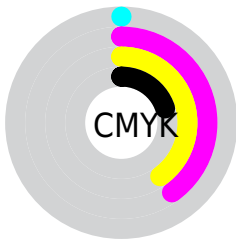
Blue (48%)



Red (80%)

Yellow (48%)

Blue (48%)

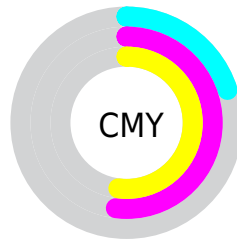


Cyan (0%)

Magenta (40%)

Yellow (40%)

Black (20%)



Cyan (20%)

Magenta (52%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3742, 28.1616, 21.9837 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 35.3742, 28.1616, 21.9837 by changing the saturation by 10% instead.




 35.3742, 28.1616,  
21.9837


 35.3742, 28.1616,  
21.9837


317.6961,  
293.2383, 275.4119


 24.1191, 18.4475,  
13.6467


 67.3953, 56.7423,  
47.6209

 15.5472, 11.2718,  
7.7394

 88.8920, 76.3778,  
65.7582

 9.2931, 6.2499,  
3.8433


 114.5333,  
100.0891, 87.9994

 4.9915, 2.9976,  
1.5398

144.6845,  
128.2608, 114.7629

 2.2770, 1.1305,  
0.2473

179.7111,  
161.2771, 146.4674

 0.7829, 0.0038,  
0.0000

219.9783,

 0.0000, 0.0000,

199.5226, 183.5314

0.0000

265.8515,  
243.3815, 226.3733

■ 35.3742, 28.1616,  
21.9837

■ 35.3742, 28.1616,  
21.9837

■ 31.9931, 23.2144,  
15.2615

■ 39.5477, 34.2690,  
30.2795

■ 29.3525, 19.3503,  
10.0121

■ 44.5571, 41.5992,  
40.2380

■ 27.3973, 16.4893,  
6.1256


■ 50.4452, 50.2150,  
51.9432


■ 26.0643, 14.5387,  
3.4760

■ 57.2512, 60.1741,  
65.4734

■ 25.2784, 13.3886,  
1.9138

■ 65.0120, 71.5304,  
80.9019

 24.9019, 12.8376,  
1.1654

 73.7626, 84.3348,  
98.2980

 78.7118, 91.5773,  
108.1354

# Harmonies

## Analogous

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



36.1485, 28.1616, 33.5867



35.3742, 28.1616, 21.9837



32.1828, 28.1616, 14.9654

# Triad

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



35.3742, 28.1616, 21.9837



20.5004, 28.1616, 18.2799



25.7889, 28.1616, 61.8307

# Complementary

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



35.3742, 28.1616, 21.9837



40.5169, 51.6806, 64.9665

# 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.



21.9952, 28.1616, 54.6821



35.3742, 28.1616, 21.9837



19.1673, 28.1616, 27.9144

# Square

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



35.3742, 28.1616, 21.9837



23.5341, 28.1616, 13.2757



19.6828, 28.1616, 41.3707



30.2827, 28.1616, 58.9584



# Rectangle

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



35.3742, 28.1616, 21.9837



29.2858, 28.1616, 12.7296



19.6828, 28.1616, 41.3707



24.3965, 28.1616, 60.4675

# Sweetspot

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



35.3749, 28.1630, 21.9842



81.5126, 80.1911, 81.9880



42.7605, 31.1163, 60.8789



17.1609, 16.7454, 16.9798



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.



35.3749, 28.1630, 21.9842



53.7799, 39.6101, 26.8567



41.5119, 40.4370, 24.0299



11.2124, 11.2138, 11.6530



15.6736, 8.0802, 0.7335



0.8086, 0.4169, 0.0378

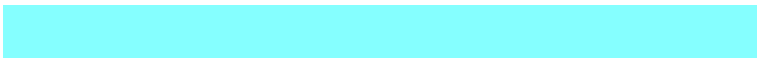


# Inverse Universe

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



40.5169, 51.6806, 64.9665



63.4175, 83.6895, 107.4190



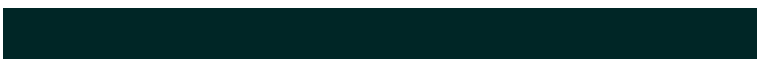
32.0225, 34.6918, 62.1350



11.5433, 12.7270, 14.4185



20.4491, 29.9221, 40.6540

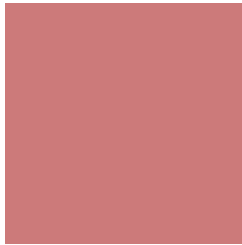


1.0550, 1.5437, 2.0973



# Previews

## White Background



This preview shows how the XYZ color 35.3742, 28.1616, 21.9837 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

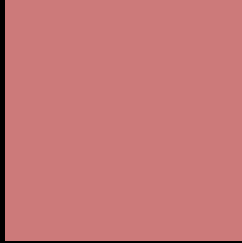
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.3742, 28.1616, 21.9837 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 35.3742, 28.1616, 21.9837**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.3742, 28.1616, 21.9837.



This preview shows how white text looks on a background with the XYZ color 35.3742, 28.1616,



# 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

35.3742, 28.1616, 21.9837

### Protanopia

27.0062, 28.4561, 26.6234

### Deuteranopia

28.7108, 28.1220, 21.3676



## Tritanopia

36.0435, 28.2656, 24.6752

# Trichromacy



## Original Color

35.3742, 28.1616, 21.9837

## Protanomaly

29.5525, 28.0491, 24.9755

## Deuteranomaly

30.8337, 27.9549, 21.5400

## Tritanomaly

35.8450, 28.1862, 23.6299

# Monochromacy



## Original Color

35.3742, 28.1616, 21.9837

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

29.8244, 28.3368, 27.9424

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.3742, 28.1616, 21.9837 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(204, 122, 122)` looks like.

```
.text, #text, p{  
    color:rgb(204, 122, 122)  
}
```

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(204, 122, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 122, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 35.3742, 28.1616, 21.9837 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(204, 122, 122) }
```



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

```
.border{ border-color:rgb(204, 122, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 122, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 122, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 122, 122);  
box-shadow:4px 4px 4px 4px rgb(204, 122,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.3742, 28.1616, 21.9837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 122, 122) }
```

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

```
.background{ background-color: rgb(204,  
122, 122) }
```

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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