

# Converting Colors

XYZ(35.7409, 28.1233, 22.4890)

Have a look what the booklet for  
XYZ(35.7409, 28.1233, 22.4890)  
contains.

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# Color

**XYZ(35.6523, 28.1091,  
22.6153)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD797C
RGB	205, 121, 124
RGB Percent	80%, 47%, 49%
CMY	0.1961, 0.5255, 0.5137
CMYK	0.00, 0.41, 0.40, 0.20
HSL	358°, 46%, 64%
HSV	358°, 41%, 80%
XYZ	35.6523, 28.1091, 22.6153
YIQ	146.4580, 49.1010, 18.7410

# Conversions

## Conversions Part 2

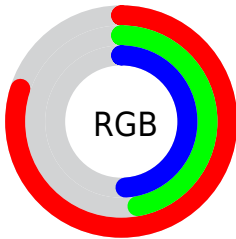
Format	Color
R <sub>Y</sub> B	205, 121, 124
Decimal	13465980
CIE Lab	59.99, 33.06, 12.57
CIE LCh	60, 35.372, 20.814
Yxy	28.1091, 0.4128, 0.3254
Android (android.graphics.Color)	4291656060 (0xFFCD797C)
YUV	146.4580, -11.0718, 51.3413
Hunter-Lab	53.0180, 27.2519, 11.8219

# Details

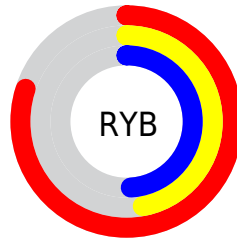
The XYZ color **35.6523, 28.1091, 22.6153** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **40.3785, 51.9925, 63.7874**, and the grayscale version is **27.5403, 28.9746, 31.5533**.

A 20% lighter version of the original color is **64.2125, 54.6667, 48.2417**, and **15.6729, 11.1842, 7.9893** is the 20% darker color. If you saturate the color by 10%, you get **32.2931, 23.1950, 15.9336**, and if you desaturate by 10%, it is **39.7929, 34.1849, 30.7945**.

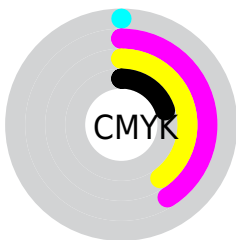
# Distribution



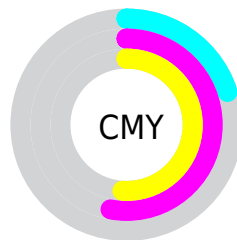
- Red (80%)
- Green (47%)
- Blue (49%)



- Red (80%)
- Yellow (47%)
- Blue (49%)



- Cyan (0%)
- Magenta (41%)
- Yellow (40%)
- Black (20%)




- Cyan (20%)
- Magenta (53%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6523, 28.1091, 22.6153 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 35.6523, 28.1091, 22.6153 by changing the saturation by 10% instead.





 35.6523, 28.1091,  
22.6153


 35.6523, 28.1091,  
22.6153


318.8961,  
292.9879, 278.8005


 24.3346, 18.4079,  
14.1071


 67.8224, 56.6586,  
48.6760

 15.7081, 11.2432,  
8.0556


 89.4057, 76.2757,  
67.0656

 9.4074, 6.2307,  
4.0423


 115.1414, 99.9668,  
89.5861

 5.0671, 2.9859,  
1.6486

145.3951,  
128.1165, 116.6560

 2.3218, 1.1244,  
0.3251

180.5320,  
161.1090, 148.6938

 0.8058, 0.0000,  
0.0000

220.9176,

 0.0000, 0.0000,

199.3288, 186.1182

0.0000

266.9172,  
243.1603, 229.3475

■ 35.6523, 28.1091,  
22.6153

■ 35.6523, 28.1091,  
22.6153

■ 32.2931, 23.1950,  
15.9336

■ 39.7929, 34.1849,  
30.7945

■ 29.6643, 19.3646,  
10.6572

■ 44.7574, 41.4855,  
40.5525

■ 27.7122, 16.5374,  
6.6861


■ 50.5878, 50.0742,  
51.9669


■ 26.3747, 14.6194,  
3.9068


■ 57.3227, 60.0091,  
65.1095

■ 25.5786, 13.4992,  
2.1860

■ 64.9983, 71.3445,  
80.0481

 25.2169, 12.9952,  
1.3892

 73.6487, 84.1317,  
96.8465

 78.9868, 91.7191,  
108.1483

# Harmonies

## Analogous

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



36.2053, 28.1091, 34.7367



35.6523, 28.1091, 22.6153



32.5678, 28.1091, 15.1318

# Triad

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



35.6523, 28.1091, 22.6153



20.5535, 28.1091, 17.4626



25.3587, 28.1091, 62.1805

# Complementary

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



35.6523, 28.1091, 22.6153



40.3785, 51.9925, 63.7874

# 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.



21.6123, 28.1091, 54.1225



35.6523, 28.1091, 22.6153



19.0504, 28.1091, 26.8166

# Square

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



35.6523, 28.1091, 22.6153



23.7576, 28.1091, 12.7897



19.4150, 28.1091, 40.2870



29.9122, 28.1091, 60.1186



# Rectangle

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



35.6523, 28.1091, 22.6153



29.6637, 28.1091, 12.6556



19.4150, 28.1091, 40.2870



23.9719, 28.1091, 60.4972

# Sweetspot

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



35.6530, 28.1105, 22.6158



81.6610, 80.2497, 82.7718



41.8912, 30.4737, 61.4317



17.1954, 16.7590, 17.1623



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.



35.6530, 28.1105, 22.6158



53.5677, 38.9739, 27.4391



40.9927, 39.0883, 23.4752



11.2283, 11.2200, 11.7367



15.7059, 8.0930, 0.9040



0.8161, 0.4198, 0.0772



# Inverse Universe

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



35.6530, 28.1105, 22.6158



53.5677, 38.9739, 27.4391



32.7612, 36.1848, 63.0153



11.2283, 11.2200, 11.7367



15.7059, 8.0930, 0.9040



0.8161, 0.4198, 0.0772



# Previews

## White Background



This preview shows how the XYZ color 35.6523, 28.1091, 22.6153 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

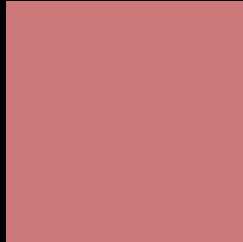
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.6523, 28.1091, 22.6153 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 35.6523, 28.1091, 22.6153**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.6523, 28.1091, 22.6153.



This preview shows how white text looks on a background with the XYZ color 35.6523, 28.1091,



# 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

35.6523, 28.1091, 22.6153

### Protanopia

26.9949, 28.2081, 27.3145

### Deuteranopia

28.6202, 28.0612, 21.9971



## Tritanopia

35.8558, 27.9971, 24.2830

# Trichromacy



## Original Color

35.6523, 28.1091, 22.6153

## Protanomaly

29.5466, 27.8203, 25.6424

## Deuteranomaly

30.8202, 27.7314, 22.1407

## Tritanomaly

35.7241, 27.9444, 23.5896

# Monochromacy



## Original Color

35.6523, 28.1091, 22.6153

## Achromatopsia

27.3213, 28.7441, 31.3023

## Achromatomaly

29.4695, 27.9418, 27.8849

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.6523, 28.1091, 22.6153 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(205, 121, 124)` looks like.

```
.text, #text, p{  
    color:rgb(205, 121, 124)  
}
```

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(205, 121, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 121, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 35.6523, 28.1091, 22.6153 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(205, 121, 124) }
```



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

```
.border{ border-color:rgb(205, 121, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 121, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 121, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 121, 124);  
box-shadow:4px 4px 4px 4px rgb(205, 121,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.6523, 28.1091, 22.6153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 121, 124) }
```

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

```
.background{ background-color: rgb(205,  
121, 124) }
```

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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