

# Converting Colors

XYZ(34.9102, 29.2127, 24.0489)

Have a look what the booklet for  
XYZ(34.9102, 29.2127, 24.0489)  
contains.

<b>XYZ(35.0352, 29.2648, 24.2242)</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(35.0352, 29.2648,  
24.2242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C68180
RGB	198, 129, 128
RGB Percent	78%, 51%, 50%
CMY	0.2235, 0.4941, 0.4980
CMYK	0.00, 0.35, 0.35, 0.22
HSL	1°, 38%, 64%
HSV	1°, 35%, 78%
XYZ	35.0352, 29.2648, 24.2242
YIQ	149.5170, 41.4450, 14.3170

# Conversions

## Conversions Part 2

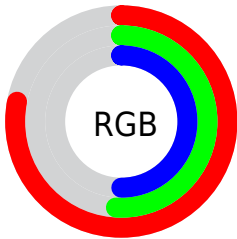
Format	Color
R <sub>Y</sub> B	198, 129, 128
Decimal	13009280
CIE Lab	61.01, 26.54, 11.60
CIE LCh	61, 28.965, 23.599
Yxy	29.2648, 0.3958, 0.3306
Android (android.graphics.Color)	4291199360 (0xFFC68180)
YUV	149.5170, -10.6079, 42.5196
Hunter-Lab	54.0970, 20.9336, 11.3183

# Details

The XYZ color **35.0352, 29.2648, 24.2242** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **39.0605, 48.5969, 60.7474**, and the grayscale version is **28.8168, 30.3175, 33.0158**.

A 20% lighter version of the original color is **66.5140, 58.4632, 51.4949**, and **15.3626, 11.9073, 8.8858** is the 20% darker color. If you saturate the color by 10%, you get **31.5272, 24.1348, 17.2403**, and if you desaturate by 10%, it is **39.2901, 35.4813, 32.7122**.

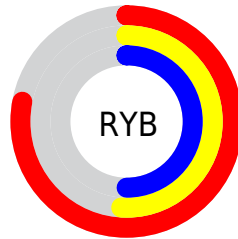
# Distribution



Red (78%)

Green (51%)

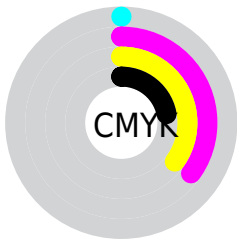
Blue (50%)



Red (78%)

Yellow (51%)

Blue (50%)

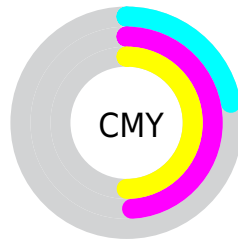


Cyan (0%)

Magenta (35%)

Yellow (35%)

Black (22%)



Cyan (22%)

Magenta (49%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0352, 29.2648, 24.2242 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 35.0352, 29.2648, 24.2242 by changing the saturation by 10% instead.





 35.0352, 29.2648,  
24.2242


 35.0352, 29.2648,  
24.2242


316.2290,  
298.4623, 287.2750


 23.8566, 19.2812,  
15.2863


 66.8740, 58.4975,  
51.3442

 15.3515, 11.8737,  
8.8717


 88.2649, 78.5155,  
70.3634

 9.1543, 6.6577,  
4.5619

 113.7906,  
102.6470, 93.5801

 4.8999, 3.2490,  
1.9384

143.8165,  
131.2766, 121.4128

 2.2228, 1.2631,  
0.5170

178.7079,  
164.7884, 154.2801

 0.7547, 0.1123,  
0.0000

218.8302,

 0.0000, 0.0000,

203.5671, 192.6006

0.0000

264.5488,  
247.9969, 236.7927

■ 35.0352, 29.2648,  
24.2242

■ 35.0352, 29.2648,  
24.2242

■ 31.5272, 24.1348,  
17.2403

■ 39.2901, 35.4813,  
32.7122

■ 28.7207, 20.0249,  
11.6713

■ 44.3289, 42.8370,  
42.7832

■ 26.5694, 16.8683,  
7.4211

■ 50.1892, 51.3866,  
54.5124

■ 25.0201, 14.5884,  
4.3809

■ 56.9053, 61.1796,  
67.9700

■ 24.0116, 13.0968,  
2.4249

■ 64.5096, 72.2632,  
83.2219

■ 23.4694, 12.2867,  
1.3988

■ 73.0328, 84.6817,  
100.3306

■ 23.3195, 12.0674,  
1.1002

■ 77.0987, 90.7457,  
108.0599

# Harmonies

## Analogous

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



35.6966, 29.2648, 34.2461



35.0352, 29.2648, 24.2242



32.3637, 29.2648, 17.8549

# Triad

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



35.0352, 29.2648, 24.2242



22.3568, 29.2648, 21.0226



27.0115, 29.2648, 57.4037

# Complementary

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



35.0352, 29.2648, 24.2242



39.0605, 48.5969, 60.7474

# 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.



23.7144, 29.2648, 51.7676



35.0352, 29.2648, 24.2242



21.1889, 29.2648, 29.5957

# Square

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



35.0352, 29.2648, 24.2242



25.0011, 29.2648, 16.3210



21.6624, 29.2648, 40.9626



30.8332, 29.2648, 55.0472



# Rectangle

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



35.0352, 29.2648, 24.2242



29.9222, 29.2648, 15.7545



21.6624, 29.2648, 40.9626



25.8097, 29.2648, 56.3465

# Sweetspot

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



35.0360, 29.2662, 24.2248



82.6638, 81.9345, 84.0950



41.2010, 31.5216, 57.3387



17.3944, 17.1010, 17.4013



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.



35.0360, 29.2662, 24.2248



57.3941, 45.0283, 33.6418



40.2823, 39.7588, 25.9735



10.6459, 10.6609, 11.0594



15.1707, 7.8585, 0.7173



0.7227, 0.3808, 0.0354



# Inverse Universe

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



39.0605, 48.5969, 60.7474



65.5164, 84.0500, 107.3779



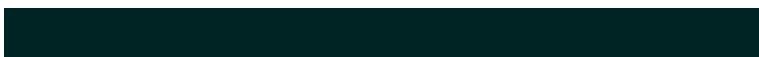
32.1925, 34.8610, 58.4581



10.9332, 12.0404, 13.6653



19.3489, 28.0918, 39.1468



0.9204, 1.3387, 1.8550



# Previews

## White Background



This preview shows how the XYZ color 35.0352, 29.2648, 24.2242 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 35.0352, 29.2648, 24.2242 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 35.0352, 29.2648, 24.2242**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0352, 29.2648, 24.2242.



This preview shows how white text looks on a background with the XYZ color 35.0352, 29.2648,



# 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

35.0352, 29.2648, 24.2242

### Protanopia

28.0859, 29.4459, 27.8702

### Deuteranopia

30.0165, 29.3984, 23.8311



## Tritanopia

35.7877, 29.3866, 27.4529

# Trichromacy



## Original Color

35.0352, 29.2648, 24.2242

## Protanomaly

30.0433, 28.9124, 26.5515

## Deuteranomaly

31.5988, 29.1269, 24.0353

## Tritanomaly

35.5754, 29.3017, 26.3350

# Monochromacy



## Original Color

35.0352, 29.2648, 24.2242

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

30.4918, 29.5145, 29.6810

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0352, 29.2648, 24.2242 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(198, 129, 128)` looks like.

```
.text, #text, p{  
    color:rgb(198, 129, 128)  
}
```

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(198, 129, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 129, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0352, 29.2648, 24.2242 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(198, 129, 128) }
```



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

```
.border{ border-color:rgb(198, 129, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 129, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 129, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 129, 128);  
box-shadow:4px 4px 4px 4px rgb(198, 129,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0352, 29.2648, 24.2242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 129, 128) }
```

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

```
.background{ background-color: rgb(198,  
129, 128) }
```

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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