

# Converting Colors

XYZ(61.2037, 67.7482, 48.8812)

Have a look what the booklet for  
XYZ(61.2037, 67.7482, 48.8812)  
contains.

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# Color

**XYZ(61.4312, 68.0268,  
48.9224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DADAAC
RGB	218, 218, 172
RGB Percent	85%, 85%, 67%
CMY	0.1451, 0.1451, 0.3255
CMYK	0.00, 0.00, 0.21, 0.15
HSL	60°, 38%, 76%
HSV	60°, 21%, 85%
XYZ	61.4312, 68.0268, 48.9224
YIQ	212.7560, 14.7660, -14.3060

# Conversions

## Conversions Part 2

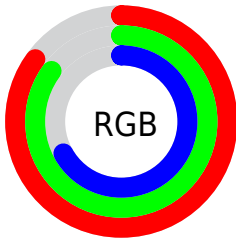
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 218, 172
Decimal	14342828
CIELab	86.02, -7.44, 22.71
CIELCh	86, 23.900, 108.135
Yxy	68.0268, 0.3444, 0.3814
Android (android.graphics.Color)	4292532908 (0xFFDADAAC)
YUV	212.7560, -20.0927, 4.5990
Hunter-Lab	82.4784, -11.3875, 22.5667

# Details

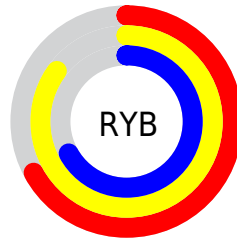
The XYZ color **61.4312, 68.0268, 48.9224** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.4233, 43.3394, 72.3575**, and the grayscale version is **63.2074, 66.4991, 72.4175**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **31.5312, 35.3128, 22.6069** is the 20% darker color. If you saturate the color by 10%, you get **59.5069, 67.2593, 38.7852**, and if you desaturate by 10%, it is **63.7026, 68.9378, 60.8715**.

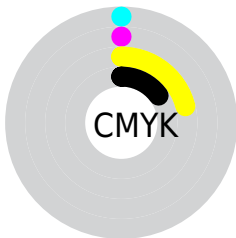
# Distribution



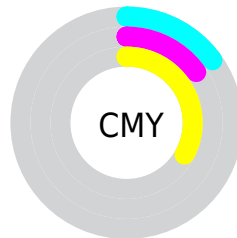
- Red (85%)
- Green (85%)
- Blue (67%)



- Red (67%)
- Yellow (85%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (21%)
- Black (15%)



- Cyan (15%)
- Magenta (15%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4312, 68.0268, 48.9224 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 61.4312, 68.0268, 48.9224 by changing the saturation by 10% instead.



■ 61.4312, 68.0268,  
48.9224

■ 61.4312, 68.0268,  
48.9224

419.6040,  
453.5910, 399.0504

■ 44.8271, 49.9195,  
34.1928

■ 105.9976,  
116.3905, 89.9560

■ 31.5220, 35.3495,  
22.7632

134.6907,  
147.4157, 117.0970

■ 21.1504, 23.9322,  
14.2151

168.1441,  
183.5157, 149.2122

■ 13.3471, 15.2833,  
8.1299

206.7232,  
225.0748, 186.7202

■ 7.7466, 9.0185,  
4.0892

250.7934,  
272.4775, 230.0395

■ 3.9837, 4.7532,  
1.6744

300.7200,

■ 1.6929, 2.1032,

326.1082, 279.5886

0.3431

356.8684,  
386.3512, 335.7861

■ 0.4518, 0.6664,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.4312, 68.0268,  
48.9224

■ 61.4312, 68.0268,  
48.9224

■ 59.5069, 67.2593,  
38.7852

■ 63.7026, 68.9378,  
60.8715

■ 57.9076, 66.6195,  
30.3674

■ 66.3313, 69.9893,  
74.7102

■ 56.6170, 66.1032,  
23.5750

■ 69.3337, 71.1904,  
90.5170

■ 55.6152, 65.7024,  
18.3032

■ 72.0394, 72.2727,  
104.7609

■ 54.8798, 65.4081,  
14.4350

■ 72.0401, 72.2731,  
104.7609

■ 54.3856, 65.2104,  
11.8365

■ 72.0409, 72.2735,  
104.7610

■ 54.1022, 65.0969,  
10.3475

■ 72.0416, 72.2739,  
104.7610

■ 53.9805, 65.0482,  
9.7105

■ 72.0424, 72.2743,  
104.7610

■ 72.0431, 72.2747,  
104.7611

# Harmonies

## Analogous

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



66.8493, 68.0268, 48.2770



61.4312, 68.0268, 48.9224



57.1198, 68.0268, 55.6918

# Triad

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



61.4312, 68.0268, 48.9224



57.8738, 68.0268, 98.9067



75.5330, 68.0268, 80.4523

# Complementary

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



61.4312, 68.0268, 48.9224



44.4233, 43.3394, 72.3575

# Split Complementary

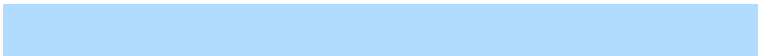
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.8306, 68.0268, 96.1017



61.4312, 68.0268, 48.9224



62.5140, 68.0268, 107.7202

# Square

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



61.4312, 68.0268, 48.9224



55.1473, 68.0268, 83.8705



67.9947, 68.0268, 106.6267



75.2025, 68.0268, 65.0637



# Rectangle

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



61.4312, 68.0268, 48.9224



55.3586, 68.0268, 63.3848



67.9947, 68.0268, 106.6267



74.9432, 68.0268, 85.8924

# Sweetspot

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



61.4330, 68.0298, 48.9238



92.6830, 99.0531, 96.4389



51.1146, 47.3907, 45.4839



19.7853, 21.1804, 20.3647



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.



61.4330, 68.0298, 48.9238



86.4288, 96.5512, 63.5155



55.0261, 64.7269, 48.6240



14.1621, 15.2638, 13.9254



32.3382, 38.9684, 5.8173



2.0951, 2.5246, 0.3769



# Inverse Universe

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



44.4233, 43.3394, 72.3575



58.2860, 55.7005, 102.2870



49.9151, 46.1706, 72.6145



12.3389, 12.6173, 16.4372



7.5818, 3.0328, 39.9242

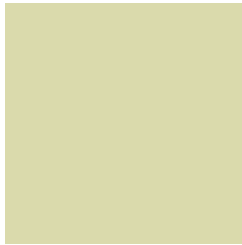


0.4912, 0.1965, 2.5865



# Previews

## White Background



This preview shows how the XYZ color 61.4312, 68.0268, 48.9224 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 61.4312, 68.0268, 48.9224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

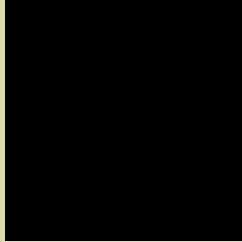
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

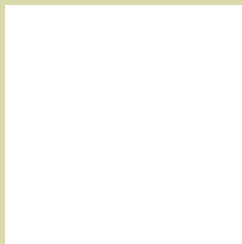
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 61.4312, 68.0268, 48.9224

## Background



This preview shows how black text looks on a background with the XYZ color 61.4312, 68.0268, 48.9224.



This preview shows how white text looks on a background with the XYZ color 61.4312, 68.0268,



# 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

61.4312, 68.0268, 48.9224

### Protanopia

63.8692, 68.1612, 47.8204

### Deuteranopia

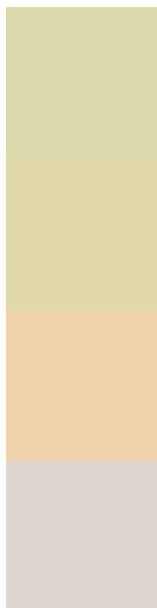
69.3771, 68.0056, 49.5142



## Tritanopia

68.2107, 68.1421, 82.2307

# Trichromacy



## Original Color

61.4312, 68.0268, 48.9224

## Protanomaly

62.9579, 68.0596, 48.3466

## Deuteranomaly

66.0970, 67.7828, 49.1349

## Tritanomaly

65.4333, 68.1277, 68.7327

# Monochromacy



## Original Color

61.4312, 68.0268, 48.9224

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

62.5178, 67.1252, 63.0875

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.4312, 68.0268, 48.9224 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(218, 218, 172)` looks like.

```
.text, #text, p{  
    color:rgb(218, 218, 172)  
}
```

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(218, 218, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 218, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 61.4312, 68.0268, 48.9224 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(218, 218, 172) }
```



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

```
.border{ border-color:rgb(218, 218, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 218, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 218, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 218, 172);  
box-shadow:4px 4px 4px 4px rgb(218, 218,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.4312, 68.0268, 48.9224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 218, 172) }
```

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

```
.background{ background-color: rgb(218,  
218, 172) }
```

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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