

# Converting Colors

XYZ(61.8350, 59.7228, 68.5075)

Have a look what the booklet for  
XYZ(61.8350, 59.7228, 68.5075)  
contains.

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# Color

**XYZ(61.9890, 59.9306,  
68.6222)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0C4D1
RGB	224, 196, 209
RGB Percent	88%, 77%, 82%
CMY	0.1216, 0.2314, 0.1804
CMYK	0.00, 0.12, 0.07, 0.12
HSL	332°, 31%, 82%
HSV	332°, 12%, 88%
XYZ	61.9890, 59.9306, 68.6222
YIQ	205.8540, 12.5150, 9.9790

# Conversions

## Conversions Part 2

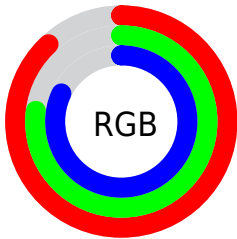
Format	Color
<a href="#">RYB</a>	<a href="#">224, 196, 209</a>
Decimal	<a href="#">14730449</a>
CIELab	<a href="#">81.80, 12.05, -2.85</a>
CIELCh	<a href="#">82, 12.385, 346.685</a>
Yxy	<a href="#">59.9306, 0.3253, 0.3145</a>
Android (android.graphics.Color)	<a href="#">4292920529</a> ( <a href="#">0xFFE0C4D1</a> )
YUV	<a href="#">205.8540, 1.5510, 15.9140</a>
Hunter-Lab	<a href="#">77.4149, 7.4557, 1.6345</a>

# Details

The XYZ color **61.9890, 59.9306, 68.6222** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **61.1808, 69.7517, 71.8702**, and the grayscale version is **58.5591, 61.6087, 67.0919**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **31.9516, 30.1476, 35.1454** is the 20% darker color. If you saturate the color by 10%, you get **55.8787, 49.9984, 59.5287**, and if you desaturate by 10%, it is **68.9690, 71.4214, 78.5594**.

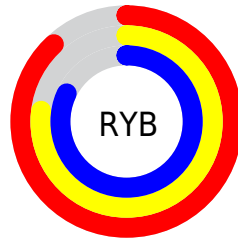
# Distribution



Red (88%)

Green (77%)

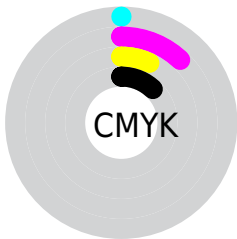
Blue (82%)



Red (88%)

Yellow (77%)

Blue (82%)

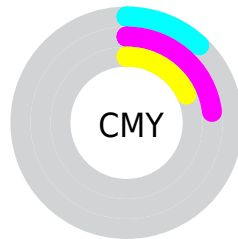


Cyan (0%)

Magenta (12%)

Yellow (7%)

Black (12%)



Cyan (12%)

Magenta (23%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9890, 59.9306, 68.6222 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 61.9890, 59.9306, 68.6222 by changing the saturation by 10% instead.



61.9890, 59.9306,  
68.6222

61.9890, 59.9306,  
68.6222

421.6092,  
424.3419, 474.3552

45.2794, 43.3627,  
49.9342

106.7997,  
104.7290, 118.9044

31.8798, 30.1698,  
34.9903

135.6314,  
133.7283, 151.3358

21.4248, 19.9675,  
23.3719

169.2346,  
167.6401, 189.1853

13.5491, 12.3714,  
14.6605

207.9745,  
206.8490, 232.8716

7.8873, 6.9972,  
8.4375

252.2166,  
251.7392, 282.8132

4.0741, 3.4603,  
4.2844

302.3262,

1.7442, 1.3765,

302.6951, 339.4286

1.7826

358.6686,  
360.1012, 403.1364

■ 0.4837, 0.1993,  
0.4165

■ 0.0000, 0.0000,  
0.0000

■ 61.9890, 59.9306,  
68.6222

■ 61.9890, 59.9306,  
68.6222

■ 55.8787, 49.9984,  
59.5287

■ 68.9690, 71.4214,  
78.5594

■ 50.5972, 41.5495,  
51.2509

■ 76.8472, 84.5264,  
89.3592

■ 46.1079, 34.5136,  
43.7650

■ 82.9832, 93.9604,  
100.1537

■ 42.3692, 28.8122,  
37.0440

■ 84.5508, 94.5875,  
108.4086

■ 39.3358, 24.3586,  
31.0593

■ 36.9567, 21.0558,  
25.7800

■ 35.1741, 18.7924,  
21.1720

■ 33.9182, 17.4343,  
17.1968

■ 33.2387, 16.8466,  
14.5924

# Harmonies

## Analogous

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



60.6939, 59.9306, 75.6238



61.9890, 59.9306, 68.6222



61.9082, 59.9306, 61.2124

# Triad

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



61.9890, 59.9306, 68.6222



55.5329, 59.9306, 52.4270



53.5869, 59.9306, 76.2853

# Complementary

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



61.9890, 59.9306, 68.6222



61.1808, 69.7517, 71.8702

# 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.



52.2870, 59.9306, 69.4702



61.9890, 59.9306, 68.6222



53.3868, 59.9306, 55.8788

# Square

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



61.9890, 59.9306, 68.6222



58.1264, 59.9306, 52.2381



52.2148, 59.9306, 61.9983



55.8137, 59.9306, 80.2706



# Rectangle

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



61.9890, 59.9306, 68.6222



61.0841, 59.9306, 57.0355



52.2148, 59.9306, 61.9983



53.0301, 59.9306, 74.2268

# Sweetspot

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



61.9907, 59.9332, 68.6235



91.0144, 93.3169, 103.2756



60.0416, 58.7036, 78.6882



19.3231, 19.7130, 21.8833



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.



61.9907, 59.9332, 68.6235



80.9126, 76.7266, 88.7689



60.6575, 59.7378, 60.5613



13.9706, 13.8059, 15.6156



19.4040, 9.8286, 8.7931



1.3899, 0.6992, 0.8458



# Inverse Universe

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



61.9907, 59.9332, 68.6235



80.9126, 76.7266, 88.7689



62.6268, 69.9300, 80.7188



13.9706, 13.8059, 15.6156



19.4040, 9.8286, 8.7931



1.3899, 0.6992, 0.8458



# Previews

## White Background



This preview shows how the XYZ color 61.9890, 59.9306, 68.6222 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

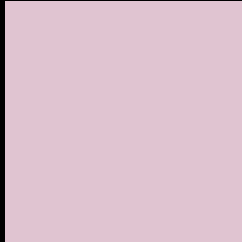
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.9890, 59.9306, 68.6222 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

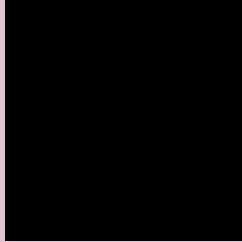
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 61.9890, 59.9306, 68.6222

## Background



This preview shows how black text looks on a background with the XYZ color 61.9890, 59.9306, 68.6222.



This preview shows how white text looks on a background with the XYZ color 61.9890, 59.9306,



# 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

61.9890, 59.9306, 68.6222

### Protanopia

58.0326, 59.8825, 71.4506

### Deuteranopia

61.2937, 59.9081, 68.6545



## Tritanopia

62.2383, 60.0303, 69.9347

# Trichromacy



## Original Color

61.9890, 59.9306, 68.6222

## Protanomaly

59.4019, 59.9109, 70.7205

## Deuteranomaly

61.5991, 60.0655, 68.6688

## Tritanomaly

62.1133, 59.9803, 69.2764

# Monochromacy



## Original Color

61.9890, 59.9306, 68.6222

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

59.8236, 60.8922, 67.6318

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.9890, 59.9306, 68.6222 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(224, 196, 209)` looks like.

```
.text, #text, p{  
    color:rgb(224, 196, 209)  
}
```

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(224, 196, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 196, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 61.9890, 59.9306, 68.6222 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(224, 196, 209) }
```



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

```
.border{ border-color:rgb(224, 196, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 196, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 196, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 196, 209);  
box-shadow:4px 4px 4px 4px rgb(224, 196,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.9890, 59.9306, 68.6222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 196, 209) }
```

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

```
.background{ background-color: rgb(224,  
196, 209) }
```

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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