

# Converting Colors

XYZ(67.0779, 62.0016, 69.4252)

Have a look what the booklet for  
XYZ(67.0779, 62.0016, 69.4252)  
contains.

<b>XYZ(66.8598, 61.7620, 69.3701)</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(66.8598, 61.7620,  
69.3701)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0C2D2
RGB	240, 194, 210
RGB Percent	94%, 76%, 82%
CMY	0.0588, 0.2392, 0.1765
CMYK	0.00, 0.19, 0.12, 0.06
HSL	339°, 61%, 85%
HSV	339°, 19%, 94%
XYZ	66.8598, 61.7620, 69.3701
YIQ	209.5780, 22.2800, 14.7280

# Conversions

## Conversions Part 2

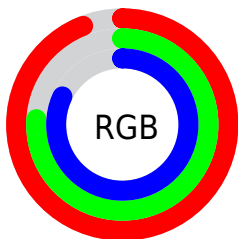
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 194, 210
Decimal	15778514
CIE Lab	82.79, 18.87, -1.77
CIE LCh	83, 18.956, 354.634
Yxy	61.7620, 0.3377, 0.3119
Android (android.graphics.Color)	4293968594 (0xFFFF0C2D2)
YUV	209.5780, 0.2080, 26.6801
Hunter-Lab	78.5888, 14.3293, 2.6771

# Details

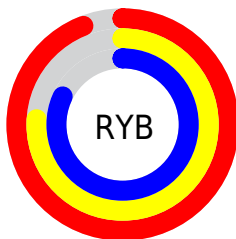
The XYZ color **66.8598, 61.7620, 69.3701** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **66.8652, 79.1729, 82.2825**, and the grayscale version is **60.9719, 64.1472, 69.8563**.

A 20% lighter version of the original color is **93.7872, 97.4744, 108.4791**, and **35.1460, 31.3468, 35.6506** is the 20% darker color. If you saturate the color by 10%, you get **60.0880, 51.1877, 57.9571**, and if you desaturate by 10%, it is **74.6885, 74.1433, 82.0781**.

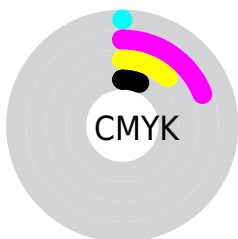
# Distribution



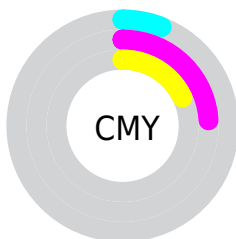
- Red (94%)
- Green (76%)
- Blue (82%)



- Red (94%)
- Yellow (76%)
- Blue (82%)



- Cyan (0%)
- Magenta (19%)
- Yellow (12%)
- Black (6%)



- Cyan (6%)
- Magenta (24%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8598, 61.7620, 69.3701 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 66.8598, 61.7620, 69.3701 by changing the saturation by 10% instead.



66.8598, 61.7620,  
69.3701

66.8598, 61.7620,  
69.3701

438.8859,  
431.0624, 477.0645

49.2410, 44.8404,  
50.5396

113.7704,  
107.3815, 119.9827

35.0260, 31.3317,  
35.4681

143.7929,  
136.8482, 152.6019

23.8495, 20.8516,  
23.7373

178.6807,  
171.2653, 190.6543

15.3462, 13.0156,  
14.9284

218.7990,  
211.0174, 234.5585

9.1506, 7.4393,  
8.6231

264.5134,  
256.4888, 284.7331

4.8974, 3.7383,  
4.4027

316.1891,

2.2213, 1.5283,

308.0638, 341.5966

1.8488

374.1915,  
366.1269, 405.5675

0.7540, 0.3085,  
0.4598

0.0000, 0.0000,  
0.0000

66.8598, 61.7620,  
69.3701

66.8598, 61.7620,  
69.3701

60.0880, 51.1877,  
57.9571

74.6885, 74.1433,  
82.0781

54.3210, 42.3272,  
47.7926

83.6127, 88.4026,  
96.1176

49.5101, 35.0916,  
38.8331

89.7455, 97.2654,  
108.6518

45.6005, 29.3805,  
31.0306

■ 42.5312, 25.0823,  
24.3338

■ 40.2333, 22.0699,  
18.6865

■ 38.6259, 20.1928,  
14.0266

■ 37.5879, 19.2212,  
10.2758

■ 37.5148, 19.1571,  
9.9983

# Harmonies

## Analogous

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



65.3312, 61.7620, 81.0996



66.8598, 61.7620, 69.3701



66.1218, 61.7620, 58.3167

# Triad

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



66.8598, 61.7620, 69.3701



55.4953, 61.7620, 48.8335



54.2810, 61.7620, 87.2706

# Complementary

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



66.8598, 61.7620, 69.3701



66.8652, 79.1729, 82.2825

# 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.



51.8608, 61.7620, 77.0483



66.8598, 61.7620, 69.3701



52.5388, 61.7620, 55.0714

# Square

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



66.8598, 61.7620, 69.3701



59.4392, 61.7620, 47.2788



51.2380, 61.7620, 65.1702



57.9728, 61.7620, 92.1721



# Rectangle

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



66.8598, 61.7620, 69.3701



64.4607, 61.7620, 52.6744



51.2380, 61.7620, 65.1702



53.2987, 61.7620, 84.2893

# Sweetspot

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



66.8616, 61.7648, 69.3714



88.7965, 89.9975, 99.0940



65.7317, 60.7092, 90.6923



18.8664, 19.0404, 20.9890



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.



66.8616, 61.7648, 69.3714



73.5504, 65.8945, 74.3152



66.5382, 64.1497, 59.9175



15.9997, 15.8496, 17.5549



20.5926, 10.5095, 5.7713



1.7584, 0.8924, 0.7187



# Inverse Universe

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



66.8616, 61.7648, 69.3714



73.5504, 65.8945, 74.3152



67.1456, 76.0968, 93.5879



15.9997, 15.8496, 17.5549



20.5926, 10.5095, 5.7713



1.7584, 0.8924, 0.7187



# Previews

## White Background



This preview shows how the XYZ color 66.8598, 61.7620, 69.3701 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 66.8598, 61.7620, 69.3701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

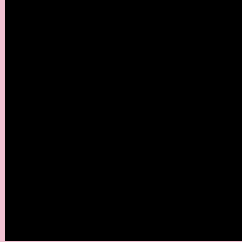
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 66.8598, 61.7620, 69.3701

## Background



This preview shows how black text looks on a background with the XYZ color 66.8598, 61.7620, 69.3701.



This preview shows how white text looks on a background with the XYZ color 66.8598, 61.7620,



# 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

66.8598, 61.7620, 69.3701

### Protanopia

60.0878, 61.9378, 74.4339

### Deuteranopia

63.2142, 61.9196, 68.9415



## Tritanopia

66.7356, 61.7123, 68.7159

# Trichromacy



## Original Color

66.8598, 61.7620, 69.3701

## Protanomaly

62.2377, 61.6884, 72.2451

## Deuteranomaly

64.3358, 61.8146, 68.8621

## Tritanomaly

66.7356, 61.7123, 68.7159

# Monochromacy



## Original Color

66.8598, 61.7620, 69.3701

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

63.0445, 63.2110, 69.8509

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.8598, 61.7620, 69.3701 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(240, 194, 210)` looks like.

```
.text, #text, p{  
    color:rgb(240, 194, 210)  
}
```

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(240, 194, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 194, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 66.8598, 61.7620, 69.3701 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(240, 194, 210) }
```



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

```
.border{ border-color:rgb(240, 194, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 194, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 194, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 194, 210);  
box-shadow:4px 4px 4px 4px rgb(240, 194,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.8598, 61.7620, 69.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 194, 210) }
```

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

```
.background{ background-color: rgb(240,  
194, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor