

# Converting Colors

XYZ(66.8415, 62.0997, 76.1840)

Have a look what the booklet for  
XYZ(66.8415, 62.0997, 76.1840)  
contains.

<b>XYZ(66.6943, 61.8597, 76.1351)</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(66.6943, 61.8597,  
76.1351)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBC3DC
RGB	235, 195, 220
RGB Percent	92%, 76%, 86%
CMY	0.0784, 0.2353, 0.1372
CMYK	0.00, 0.17, 0.06, 0.08
HSL	323°, 50%, 84%
HSV	323°, 17%, 92%
XYZ	66.6943, 61.8597, 76.1351
YIQ	209.8100, 15.8150, 16.2550

# Conversions

## Conversions Part 2

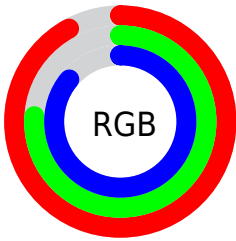
Format	Color
<a href="#">RYB</a>	<a href="#">235, 195, 220</a>
Decimal	<a href="#">15451100</a>
CIELab	<a href="#">82.84, 18.28, -7.10</a>
CIElCh	<a href="#">83, 19.614, 338.763</a>
Yxy	<a href="#">61.8597, 0.3258, 0.3022</a>
Android (android.graphics.Color)	<a href="#">4293641180 (0xFFEBC3DC)</a>
YUV	<a href="#">209.8100, 5.0237, 22.0916</a>
Hunter-Lab	<a href="#">78.6509, 13.7250, -2.3378</a>

# Details

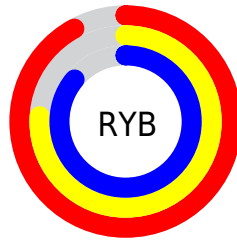
The XYZ color **66.6943, 61.8597, 76.1351** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **63.8493, 75.6735, 72.2175**, and the grayscale version is **61.0963, 64.2781, 69.9988**.

A 20% lighter version of the original color is **94.1004, 98.1008, 108.5835**, and **34.9068, 31.3501, 39.8087** is the 20% darker color. If you saturate the color by 10%, you get **60.7013, 51.6921, 68.5298**, and if you desaturate by 10%, it is **73.5810, 73.7146, 84.3434**.

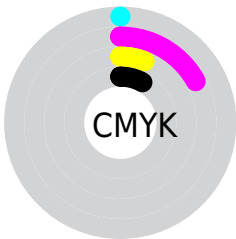
# Distribution



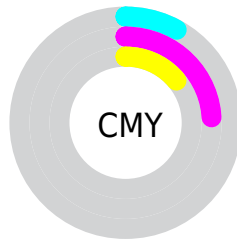
- Red (92%)
- Green (76%)
- Blue (86%)



- Red (92%)
- Yellow (76%)
- Blue (86%)



- Cyan (0%)
- Magenta (17%)
- Yellow (6%)
- Black (8%)



- Cyan (8%)
- Magenta (24%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6943, 61.8597, 76.1351 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 66.6943, 61.8597, 76.1351 by changing the saturation by 10% instead.



66.6943, 61.8597,  
76.1351

66.6943, 61.8597,  
76.1351

438.3055,  
431.4191, 501.1692

49.1060, 44.9193,  
56.0360

113.5345,  
107.5227, 129.6797

34.9185, 31.3939,  
39.8276

143.5171,  
137.0142, 163.9623

23.7663, 20.8990,  
27.0914

178.3619,  
171.4582, 203.8097

15.2841, 13.0502,  
17.4088

218.4341,  
211.2390, 249.6406

9.1067, 7.4631,  
10.3614

264.0993,  
256.7411, 301.8734

4.8685, 3.7534,  
5.5305

315.7226,

2.2043, 1.5366,

308.3489, 360.9268

2.4976

373.6696,  
366.4468, 427.2192

■ 0.7450, 0.3143,  
0.8389

■ 0.0000, 0.0000,  
0.0000

■ 66.6943, 61.8597,  
76.1351

■ 66.6943, 61.8597,  
76.1351

■ 60.7013, 51.6921,  
68.5298

■ 73.5810, 73.7146,  
84.3434

■ 55.5571, 43.1259,  
61.5058

■ 81.3932, 87.3213,  
93.1676

■ 51.2208, 36.0800,  
55.0454

■ 86.7237, 95.8633,  
101.4771

■ 47.6458, 30.4628,  
49.1281

■ 88.0713, 96.4024,  
108.5734

■ 44.7806, 26.1730,  
43.7319

■ 42.5669, 23.0956,  
38.8322

■ 40.9365, 21.0959,  
34.4010

■ 39.8017, 20.0002,  
30.4036

■ 39.5173, 19.7648,  
29.2813

# Harmonies

## Analogous

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



64.0280, 61.8597, 87.1651



66.6943, 61.8597, 76.1351



67.1923, 61.8597, 63.8735

# Triad

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



66.6943, 61.8597, 76.1351



57.5673, 61.8597, 46.8850



52.6884, 61.8597, 82.9901

# Complementary

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



66.6943, 61.8597, 76.1351



63.8493, 75.6735, 72.2175

# 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.



51.1297, 61.8597, 70.9601



66.6943, 61.8597, 76.1351



53.8567, 61.8597, 50.7992

# Square

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



66.6943, 61.8597, 76.1351



61.7866, 61.8597, 47.9198



51.5469, 61.8597, 59.2767



55.9030, 61.8597, 91.4406



# Rectangle

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



66.6943, 61.8597, 76.1351



66.2056, 61.8597, 56.7723



51.5469, 61.8597, 59.2767



51.9606, 61.8597, 79.1766

# Sweetspot

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



66.6961, 61.8624, 76.1364



90.3562, 91.8290, 103.5845



60.9965, 58.6843, 86.7104



19.2036, 19.4187, 22.0147



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.



66.6961, 61.8624, 76.1364



77.9548, 70.4945, 88.7584



64.2426, 60.8810, 63.2164



15.4614, 15.2124, 17.7149



22.0568, 11.0254, 16.6326



1.7784, 0.8843, 1.5503



# Inverse Universe

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



66.6961, 61.8624, 76.1364



77.9548, 70.4945, 88.7584



66.4521, 76.7147, 85.9240



15.4614, 15.2124, 17.7149



22.0568, 11.0254, 16.6326



1.7784, 0.8843, 1.5503



# Previews

## White Background



This preview shows how the XYZ color 66.6943, 61.8597, 76.1351 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

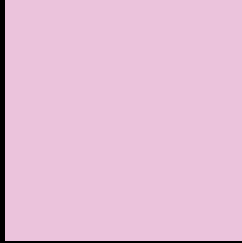
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.6943, 61.8597, 76.1351 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 66.6943, 61.8597, 76.1351

## Background



This preview shows how black text looks on a background with the XYZ color 66.6943, 61.8597, 76.1351.



This preview shows how white text looks on a background with the XYZ color 66.6943, 61.8597,



# 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

66.6943, 61.8597, 76.1351

### Protanopia

60.4606, 61.9910, 80.7303

### Deuteranopia

63.2593, 61.7952, 75.6114



## Tritanopia

65.5553, 61.7257, 70.7465

# Trichromacy



## Original Color

66.6943, 61.8597, 76.1351

## Protanomaly

62.3655, 61.6022, 79.1244

## Deuteranomaly

64.3443, 61.6714, 75.5303

## Tritanomaly

65.9374, 61.8786, 72.7585

# Monochromacy



## Original Color

66.6943, 61.8597, 76.1351

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

63.1823, 63.5778, 72.5600

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.6943, 61.8597, 76.1351 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(235, 195, 220)` looks like.

```
.text, #text, p{  
    color:rgb(235, 195, 220)  
}
```

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(235, 195, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 195, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 66.6943, 61.8597, 76.1351 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(235, 195, 220) }
```



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

```
.border{ border-color:rgb(235, 195, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 195, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 195, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 195, 220);  
box-shadow:4px 4px 4px 4px rgb(235, 195,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.6943, 61.8597, 76.1351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 195, 220) }
```

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

```
.background{ background-color: rgb(235,  
195, 220) }
```

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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