

# Converting Colors

XYZ(66.8220, 63.3641, 72.3269)

Have a look what the booklet for  
XYZ(66.8220, 63.3641, 72.3269)  
contains.

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# Color

**XYZ(66.8220, 63.3641,  
72.3269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBC7D6
RGB	235, 199, 214
RGB Percent	92%, 78%, 84%
CMY	0.0784, 0.2196, 0.1608
CMYK	0.00, 0.15, 0.09, 0.08
HSL	335°, 47%, 85%
HSV	335°, 15%, 92%
XYZ	66.8220, 63.3641, 72.3269
YIQ	211.4740, 16.6410, 12.2970

# Conversions

## Conversions Part 2

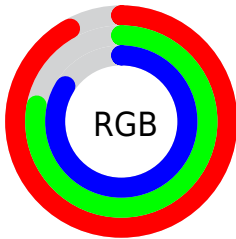
Format	Color
R <sub>Y</sub> B	235, 199, 214
Decimal	15452118
CIE Lab	83.63, 15.14, -2.72
CIE LCh	84, 15.382, 349.801
Yxy	63.3641, 0.3300, 0.3129
Android (android.graphics.Color)	4293642198 (0xFFEBC7D6)
YUV	211.4740, 1.2453, 20.6323
Hunter-Lab	79.6016, 10.5401, 1.8495

# Details

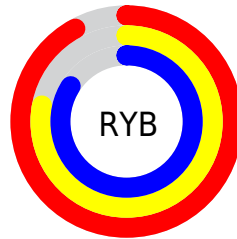
The XYZ color **66.8220, 63.3641, 72.3269** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **66.1823, 76.7278, 79.0357**, and the grayscale version is **62.2162, 65.4563, 71.2819**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9738, 32.3377, 37.1994** is the 20% darker color. If you saturate the color by 10%, you get **60.1493, 52.7032, 61.8248**, and if you desaturate by 10%, it is **74.4807, 75.7594, 83.8863**.

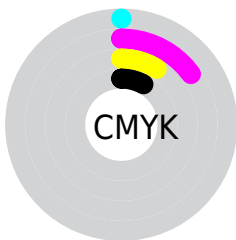
# Distribution



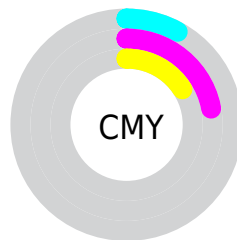
- Red (92%)
- Green (78%)
- Blue (84%)



- Red (92%)
- Yellow (78%)
- Blue (84%)



- Cyan (0%)
- Magenta (15%)
- Yellow (9%)
- Black (8%)



- Cyan (8%)
- Magenta (22%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8220, 63.3641, 72.3269 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 66.8220, 63.3641, 72.3269 by changing the saturation by 10% instead.



66.8220, 63.3641,  
72.3269

66.8220, 63.3641,  
72.3269

438.7534,  
436.8897, 487.6867

49.2102, 46.1358,  
52.9373

113.7165,  
109.6946, 124.2332

35.0014, 32.3530,  
37.3653

143.7299,  
139.5657, 157.5870

23.8305, 21.6313,  
25.1925

178.6079,  
174.4198, 196.4326

15.3320, 13.5862,  
16.0002

218.7157,  
214.6413, 241.1886

9.1405, 7.8334,  
9.3699

264.4188,  
260.6146, 292.2734

4.8908, 3.9886,  
4.8832

316.0826,

2.2174, 1.6672,

312.7242, 350.1057

2.1213

374.0723,  
371.3544, 415.1040

■ 0.7519, 0.4023,  
0.6284

■ 0.0000, 0.0000,  
0.0000

■ 66.8220, 63.3641,  
72.3269

■ 66.8220, 63.3641,  
72.3269

■ 60.1493, 52.7032,  
61.8248

■ 74.4807, 75.7594,  
83.8863

■ 54.4153, 43.6905,  
52.3442

■ 83.1591, 89.9535,  
96.5292

■ 49.5769, 36.2450,  
43.8529

■ 88.0713, 96.4024,  
108.5734

■ 45.5854, 30.2754,  
36.3154

■ 42.3871, 25.6809,  
29.6937

■ 39.9218, 22.3478,  
23.9466

■ 38.1198, 20.1442,  
19.0284

■ 36.8961, 18.9078,  
14.8874

■ 36.4613, 18.5423,  
13.1881

# Harmonies

## Analogous

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



65.3050, 63.3641, 81.6600



66.8220, 63.3641, 72.3269



66.5220, 63.3641, 62.9030

# Triad

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



66.8220, 63.3641, 72.3269



58.0600, 63.3641, 52.9827



56.1445, 63.3641, 84.1391

# Complementary

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



66.8220, 63.3641, 72.3269



66.1823, 76.7278, 79.0357

# 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.



54.3397, 63.3641, 75.4633



66.8220, 63.3641, 72.3269



55.4168, 63.3641, 57.7082

# Square

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



66.8220, 63.3641, 72.3269



61.3789, 63.3641, 52.3123



54.0784, 63.3641, 65.7626



59.0870, 63.3641, 88.8883



# Rectangle

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



66.8220, 63.3641, 72.3269



65.3356, 63.3641, 57.7960



54.0784, 63.3641, 65.7626



55.3894, 63.3641, 81.5495

# Sweetspot

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



66.8238, 63.3669, 72.3282



89.9419, 91.6633, 101.4031



64.9364, 62.0638, 87.1551



19.1030, 19.3784, 21.4846



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.



66.8238, 63.3669, 72.3282



78.0994, 72.5238, 83.4426



65.6925, 64.0297, 62.9329



15.3257, 15.1581, 17.0006



20.3524, 10.3436, 7.6570



1.6451, 0.8310, 0.8485



# Inverse Universe

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



66.8238, 63.3669, 72.3282



78.0994, 72.5238, 83.4426



67.4073, 75.8552, 89.6869



15.3257, 15.1581, 17.0006



20.3524, 10.3436, 7.6570

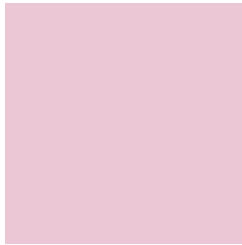


1.6451, 0.8310, 0.8485



# Previews

## White Background



This preview shows how the XYZ color 66.8220, 63.3641, 72.3269 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

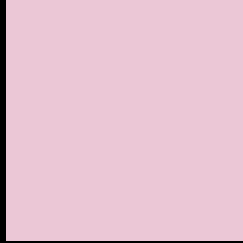
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.8220, 63.3641, 72.3269 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

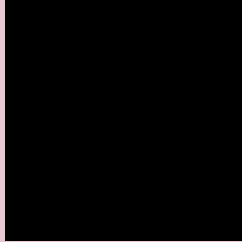
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 66.8220, 63.3641, 72.3269**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.8220, 63.3641, 72.3269.



This preview shows how white text looks on a background with the XYZ color 66.8220, 63.3641,



# 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

66.8220, 63.3641, 72.3269

### Protanopia

61.3935, 63.2954, 75.9993

### Deuteranopia

64.8093, 63.3760, 71.7678



## Tritanopia

66.8220, 63.3641, 72.3269

# Trichromacy



## Original Color

66.8220, 63.3641, 72.3269

## Protanomaly

63.0307, 63.1009, 74.5033

## Deuteranomaly

65.5300, 63.4004, 71.7345

## Tritanomaly

66.8220, 63.3641, 72.3269

# Monochromacy



## Original Color

66.8220, 63.3641, 72.3269

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

63.7117, 64.5948, 71.3974

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.8220, 63.3641, 72.3269 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, 199, 214)` looks like.

```
.text, #text, p{  
    color:rgb(235, 199, 214)  
}
```

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, 199, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 199, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 66.8220, 63.3641, 72.3269 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, 199, 214) }
```



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

```
.border{ border-color:rgb(235, 199, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 199, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 199, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 199, 214);  
box-shadow:4px 4px 4px 4px rgb(235, 199,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.8220, 63.3641, 72.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 199, 214) }
```

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

```
.background{ background-color: rgb(235,  
199, 214) }
```

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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