

# Converting Colors

XYZ(68.6448, 66.9461, 81.0457)

Have a look what the booklet for  
XYZ(68.6448, 66.9461, 81.0457)  
contains.

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# Color

**XYZ(68.6734, 66.9396,  
81.2527)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E6CFE2
RGB	230, 207, 226
RGB Percent	90%, 81%, 89%
CMY	0.0980, 0.1882, 0.1137
CMYK	0.00, 0.10, 0.02, 0.10
HSL	310°, 32%, 86%
HSV	310°, 10%, 90%
XYZ	68.6734, 66.9396, 81.2527
YIQ	216.0430, 7.6090, 10.7850

# Conversions

## Conversions Part 2

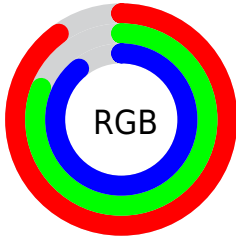
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 207, 226
Decimal	15126498
CIE Lab	85.47, 11.28, -6.45
CIE LCh	85, 12.993, 330.219
Yxy	66.9396, 0.3167, 0.3087
Android (android.graphics.Color)	4293316578 (0xFFE6CFE2)
YUV	216.0430, 4.9088, 12.2403
Hunter-Lab	81.8166, 6.6462, -1.6097

# Details

The XYZ color **68.6734, 66.9396, 81.2527** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.7893, 74.5640, 72.5563**, and the grayscale version is **65.2651, 68.6640, 74.7751**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1975, 34.7214, 43.3222** is the 20% darker color. If you saturate the color by 10%, you get **62.9601, 56.3803, 76.6719**, and if you desaturate by 10%, it is **75.2151, 79.1332, 86.1744**.

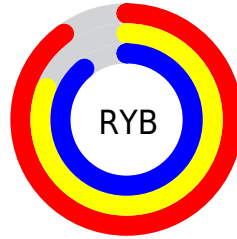
# Distribution



Red (90%)

Green (81%)

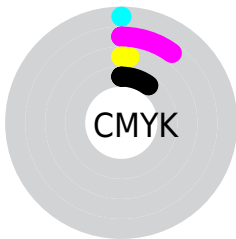
Blue (89%)



Red (90%)

Yellow (81%)

Blue (89%)

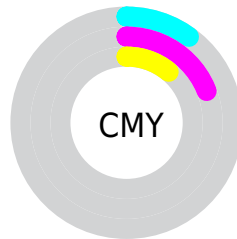


Cyan (0%)

Magenta (10%)

Yellow (2%)

Black (10%)



Cyan (10%)

Magenta (19%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6734, 66.9396, 81.2527 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 68.6734, 66.9396, 81.2527 by changing the saturation by 10% instead.



68.6734, 66.9396,  
81.2527

68.6734, 66.9396,  
81.2527

445.2176,  
449.7297, 518.9622

50.7214, 49.0355,  
60.2175

116.3516,  
114.8339, 136.9528

36.2071, 34.6477,  
43.1675

146.8086,  
145.5929, 172.4548

24.7650, 23.3916,  
29.6842

182.1645,  
181.4056, 213.6162

16.0299, 14.8829,  
19.3490

222.7849,  
222.6565, 260.8554

9.6363, 8.7373,  
11.7434

269.0351,  
269.7300, 314.5911

5.2189, 4.5702,  
6.4488

321.2804,

2.4123, 1.9974,

323.0104, 375.2418

3.0467

379.8861,  
382.8822, 443.2260

■ 0.8513, 0.6059,  
1.1185

■ 0.0000, 0.0000,  
0.0000

■ 68.6734, 66.9396,  
81.2527

■ 68.6734, 66.9396,  
81.2527

■ 62.9601, 56.3803,  
76.6719

■ 75.2151, 79.1332,  
86.1744

■ 58.0342, 47.3767,  
72.4156

■ 82.6123, 93.0180,  
91.4441

■ 53.8603, 39.8566,  
68.4723

■ 83.8267, 94.5165,  
94.7169

■ 50.3976, 33.7389,  
64.8280

■ 84.4212, 94.7543,  
97.8475

47.6015, 28.9345,  
61.4673

85.0289, 94.9973,  
101.0474

45.4223, 25.3442,  
58.3734

85.6497, 95.2457,  
104.3170

43.8034, 22.8546,  
55.5268

86.2839, 95.4994,  
107.6566

42.6772, 21.3310,  
52.9046

86.4436, 95.5632,  
108.4972

41.9274, 20.5408,  
50.4675

# Harmonies

## Analogous

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



66.5208, 66.9396, 87.8379



68.6734, 66.9396, 81.2527



69.4643, 66.9396, 72.8238

# Triad

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



68.6734, 66.9396, 81.2527



63.6024, 66.9396, 57.8231



58.8491, 66.9396, 81.3684

# Complementary

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



68.6734, 66.9396, 81.2527



65.7893, 74.5640, 72.5563

# 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.



58.1207, 66.9396, 72.9480



68.6734, 66.9396, 81.2527



60.8127, 66.9396, 59.7348

# Square

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



68.6734, 66.9396, 81.2527



66.4821, 66.9396, 59.6805



58.8285, 66.9396, 65.1140



60.8491, 66.9396, 87.9082



# Rectangle

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



68.6734, 66.9396, 81.2527



69.0946, 66.9396, 67.4163



58.8285, 66.9396, 65.1140



58.4502, 66.9396, 78.6435

# Sweetspot

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



68.6753, 66.9425, 81.2541



92.4444, 95.1304, 106.9782



63.4148, 64.1664, 83.9070



19.6414, 20.0902, 22.7892



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.



68.6753, 66.9425, 81.2541



85.2081, 81.6685, 101.4501



67.1711, 66.3408, 73.3331



14.8818, 14.5699, 17.5782



23.7770, 11.6450, 28.7844



1.7855, 0.8719, 2.2768



# Inverse Universe

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



68.6753, 66.9425, 81.2541



85.2081, 81.6685, 101.4501



67.2607, 75.1525, 80.3045



14.8818, 14.5699, 17.5782



23.7770, 11.6450, 28.7844

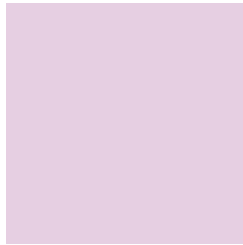


1.7855, 0.8719, 2.2768



# Previews

## White Background



This preview shows how the XYZ color 68.6734, 66.9396, 81.2527 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

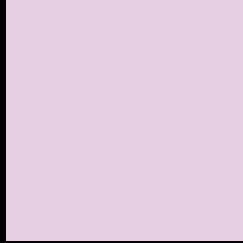
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.6734, 66.9396, 81.2527 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

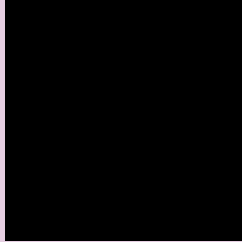
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 68.6734, 66.9396, 81.2527

## Background



This preview shows how black text looks on a background with the XYZ color 68.6734, 66.9396, 81.2527.



This preview shows how white text looks on a background with the XYZ color 68.6734, 66.9396,



# 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

68.6734, 66.9396, 81.2527

### Protanopia

65.1269, 66.8902, 83.6073

### Deuteranopia

68.3534, 66.7746, 81.2377



## Tritanopia

68.4005, 66.8305, 79.8155

# Trichromacy



## Original Color

68.6734, 66.9396, 81.2527

## Protanomaly

66.2636, 66.7547, 82.7913

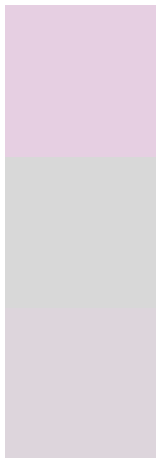
## Deuteranomaly

68.3534, 66.7746, 81.2377

## Tritanomaly

68.5366, 66.8849, 80.5320

# Monochromacy



## Original Color

68.6734, 66.9396, 81.2527

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

66.5313, 68.1280, 77.3536

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.6734, 66.9396, 81.2527 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(230, 207, 226)` looks like.

```
.text, #text, p{  
    color:rgb(230, 207, 226)  
}
```

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(230, 207, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 207, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 68.6734, 66.9396, 81.2527 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(230, 207, 226) }
```



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

```
.border{ border-color:rgb(230, 207, 226) }
```

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

Here you see how a box with a 4 pixel rgb(230, 207, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 207, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 207, 226);  
box-shadow:4px 4px 4px 4px rgb(230, 207,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.6734, 66.9396, 81.2527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 207, 226) }
```

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

```
.background{ background-color: rgb(230,  
207, 226) }
```

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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