

# Converting Colors

XYZ(65.8067, 65.0675, 86.5248)

Have a look what the booklet for  
XYZ(65.8067, 65.0675, 86.5248)  
contains.

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# Color

**XYZ(65.6927, 64.9312,  
86.1614)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DACEE9
RGB	218, 206, 233
RGB Percent	85%, 81%, 91%
CMY	0.1451, 0.1921, 0.0863
CMYK	0.06, 0.12, 0.00, 0.09
HSL	267°, 38%, 86%
HSV	267°, 12%, 91%
XYZ	65.6927, 64.9312, 86.1614
YIQ	212.6660, -1.5150, 10.9410

# Conversions

## Conversions Part 2

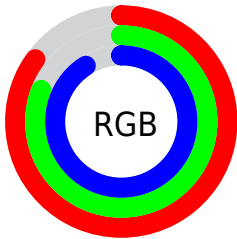
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 206, 233
Decimal	14339817
CIE Lab	84.45, 9.11, -11.80
CIE LCh	84, 14.909, 307.658
Yxy	64.9312, 0.3030, 0.2995
Android (android.graphics.Color)	4292529897 (0xFFDACEE9)
YUV	212.6660, 10.0247, 4.6779
Hunter-Lab	80.5799, 4.5072, -6.9909

# Details

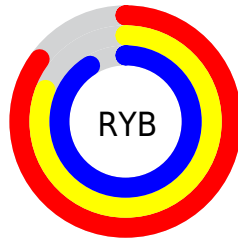
The XYZ color **65.6927, 64.9312, 86.1614** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.1007, 78.1079, 69.7773**, and the grayscale version is **62.9603, 66.2392, 72.1345**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.2683, 33.4173, 46.2390** is the 20% darker color. If you saturate the color by 10%, you get **56.7731, 52.6157, 84.2554**, and if you desaturate by 10%, it is **75.7501, 79.0711, 88.3616**.

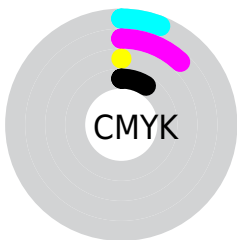
# Distribution



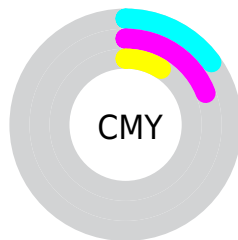
- Red (85%)
- Green (81%)
- Blue (91%)



- Red (85%)
- Yellow (81%)
- Blue (91%)



- Cyan (6%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (19%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6927, 64.9312, 86.1614 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 65.6927, 64.9312, 86.1614 by changing the saturation by 10% instead.



65.6927, 64.9312,  
86.1614

65.6927, 64.9312,  
86.1614

434.7830,  
442.5447, 535.7077

48.2898, 47.4053,  
64.2458

112.1053,  
111.9509, 143.8832

34.2686, 33.3562,  
46.4023

141.8458,  
142.2136, 180.5265

23.2639, 22.3994,  
32.2125

176.4294,  
177.4905, 222.9161

14.9103, 14.1507,  
21.2577

216.2216,  
218.1663, 271.4706

8.8423, 8.2255,  
13.1194

261.5877,  
264.6252, 326.6084

4.6948, 4.2396,  
7.3791

312.8930,

2.1022, 1.8085,

317.2516, 388.7482

3.6183

370.5031,  
376.4300, 458.3085

■ 0.6904, 0.4925,  
1.4184

■ 0.0000, 0.0000,  
0.1560

■ 65.6927, 64.9312,  
86.1614

■ 65.6927, 64.9312,  
86.1614

■ 56.7731, 52.6157,  
84.2554

■ 75.7501, 79.0711,  
88.3616

■ 48.9421, 42.0398,  
82.6268

■ 86.9802, 95.0989,  
90.8634

■ 42.1554, 33.1243,  
81.2636

■ 91.7082, 98.6633,  
91.3022

■ 36.3632, 25.7805,  
80.1514

■ 31.5110, 19.9111,  
79.2742

■ 27.5386, 15.4074,  
78.6143

■ 24.3777, 12.1453,  
78.1512

■ 21.9475, 9.9763,  
77.8607

■ 20.3641, 8.7990,  
77.7169

# Harmonies

## Analogous

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



62.5686, 64.9312, 90.3827



65.6927, 64.9312, 86.1614



67.8018, 64.9312, 77.8694

# Triad

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



65.6927, 64.9312, 86.1614



64.1705, 64.9312, 55.1200



55.6098, 64.9312, 73.1602

# Complementary

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



65.6927, 64.9312, 86.1614



70.1007, 78.1079, 69.7773

# 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.



56.0042, 64.9312, 63.9830



65.6927, 64.9312, 86.1614



60.8695, 64.9312, 54.1032

# Square

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



65.6927, 64.9312, 86.1614



66.9012, 64.9312, 60.1204



57.9015, 64.9312, 57.2069



56.8043, 64.9312, 82.4511



# Rectangle

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



65.6927, 64.9312, 86.1614



68.3069, 64.9312, 71.4478



57.9015, 64.9312, 57.2069



55.5617, 64.9312, 69.9555

# Sweetspot

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



65.6946, 64.9340, 86.1628



91.1114, 94.4185, 108.0303



66.0996, 70.8788, 87.2889



19.2810, 19.8978, 23.0744



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.



65.6946, 64.9340, 86.1628



77.7752, 75.7299, 105.1259



69.8008, 67.0508, 86.3550



14.8666, 14.8765, 19.0101



11.6925, 5.0636, 44.1041



1.0272, 0.4538, 3.4683



# Inverse Universe

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



68.7290, 66.6896, 77.6598



82.2499, 78.3197, 92.5485



66.2380, 76.1167, 69.5965



15.4158, 15.1942, 17.4750



21.3969, 10.7615, 13.1573

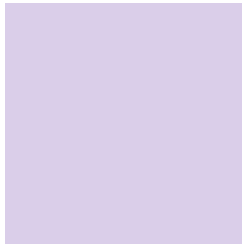


1.7285, 0.8644, 1.2876



# Previews

## White Background



This preview shows how the XYZ color 65.6927, 64.9312, 86.1614 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

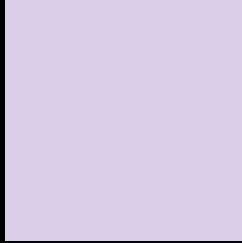
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.6927, 64.9312, 86.1614 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

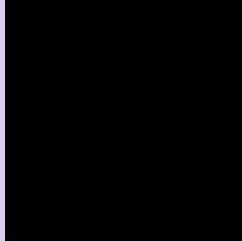
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.6927, 64.9312, 86.1614

## Background



This preview shows how black text looks on a background with the XYZ color 65.6927, 64.9312, 86.1614.



This preview shows how white text looks on a background with the XYZ color 65.6927, 64.9312,



# 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

65.6927, 64.9312, 86.1614

### Protanopia

63.5280, 64.8645, 87.7691

### Deuteranopia

66.3581, 64.9180, 86.1238



## Tritanopia

64.6257, 65.2453, 79.7085

# Trichromacy



## Original Color

65.6927, 64.9312, 86.1614

## Protanomaly

64.2711, 64.9011, 86.9816

## Deuteranomaly

66.0545, 64.7615, 86.1096

## Tritanomaly

64.7932, 64.9234, 81.7895

# Monochromacy



## Original Color

65.6927, 64.9312, 86.1614

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

63.9892, 65.7076, 77.0204

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.6927, 64.9312, 86.1614 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(218, 206, 233) looks like.

```
.text, #text, p{  
    color:rgb(218, 206, 233)  
}
```

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(218, 206, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 206, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 65.6927, 64.9312, 86.1614 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(218, 206, 233) }
```



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

```
.border{ border-color:rgb(218, 206, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 206, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 206, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 206, 233);  
box-shadow:4px 4px 4px 4px rgb(218, 206,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.6927, 64.9312, 86.1614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 206, 233) }
```

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

```
.background{ background-color: rgb(218,  
206, 233) }
```

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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