

# Converting Colors

XYZ(66.2692, 58.8614, 84.2146)

Have a look what the booklet for  
XYZ(66.2692, 58.8614, 84.2146)  
contains.

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# Color

**XYZ(66.2675, 58.8593,  
84.2122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EABBE8
RGB	234, 187, 232
RGB Percent	92%, 73%, 91%
CMY	0.0823, 0.2666, 0.0902
CMYK	0.00, 0.20, 0.01, 0.08
HSL	303°, 53%, 83%
HSV	303°, 20%, 92%
XYZ	66.2675, 58.8593, 84.2122
YIQ	206.1830, 13.5670, 23.9590

# Conversions

## Conversions Part 2

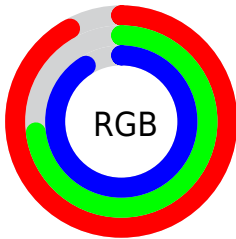
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 187, 232
Decimal	15383528
CIE <sub>Lab</sub>	81.21, 24.33, -15.97
CIE <sub>LCh</sub>	81, 29.108, 326.718
Yxy	58.8593, 0.3166, 0.2812
Android (android.graphics.Color)	4293573608 (0xFFEABBE8)
YUV	206.1830, 12.7278, 24.3955
Hunter-Lab	76.7198, 19.9215, -11.3763

# Details

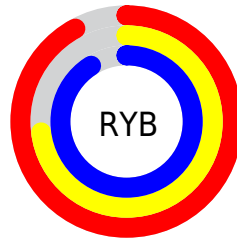
The XYZ color **66.2675, 58.8593, 84.2122** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **59.1040, 73.0863, 59.1393**, and the grayscale version is **58.6999, 61.7568, 67.2532**.

A 20% lighter version of the original color is **91.3406, 92.5812, 107.6635**, and **34.5841, 29.3746, 44.9214** is the 20% darker color. If you saturate the color by 10%, you get **61.5616, 49.6723, 81.9481**, and if you desaturate by 10%, it is **71.7866, 69.6694, 86.7526**.

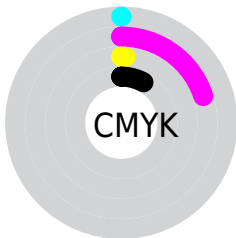
# Distribution



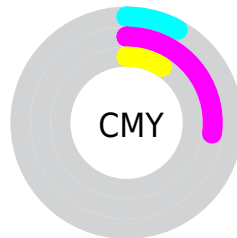
- Red (92%)
- Green (73%)
- Blue (91%)



- Red (92%)
- Yellow (73%)
- Blue (91%)



- Cyan (0%)
- Magenta (20%)
- Yellow (1%)
- Black (8%)



- Cyan (8%)
- Magenta (27%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2675, 58.8593, 84.2122 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 66.2675, 58.8593, 84.2122 by changing the saturation by 10% instead.



66.2675, 58.8593,  
84.2122

66.2675, 58.8593,  
84.2122

436.8065,  
420.3803, 529.0941

48.7581, 42.4999,  
62.6442

112.9258,  
103.1731, 141.1363

34.6414, 29.4929,  
45.1143

142.8054,  
131.8963, 177.3296

23.5520, 19.4540,  
31.2039

177.5391,  
165.5096, 219.2351

15.1245, 11.9988,  
20.4944

217.4922,  
204.3973, 267.2713

8.9937, 6.7429,  
12.5673

263.0302,  
248.9438, 321.8567

4.7942, 3.3018,  
7.0041

314.5183,

2.1605, 1.2913,

299.5335, 383.4100

3.3861

372.3220,  
356.5509, 452.3496

■ 0.7218, 0.1344,  
1.2950

■ 0.0000, 0.0000,  
0.0577

■ 66.2675, 58.8593,  
84.2122

■ 66.2675, 58.8593,  
84.2122

■ 61.5616, 49.6723,  
81.9481

■ 71.7866, 69.6694,  
86.7526

■ 57.6245, 42.0225,  
79.9436

■ 78.1500, 82.1678,  
89.5778

■ 54.4154, 35.8277,  
78.1857

■ 84.6860, 95.0102,  
92.4644

■ 51.8881, 30.9950,  
76.6590

■ 84.8303, 95.0679,  
93.2245

49.9907, 27.4208,  
75.3462

84.9755, 95.1260,  
93.9888

48.6638, 24.9866,  
74.2275

85.1214, 95.1844,  
94.7574

47.8372, 23.5514,  
73.2795

85.2682, 95.2431,  
95.5302

47.3923, 22.8767,  
72.4682

85.4158, 95.3021,  
96.3073

85.5642, 95.3615,  
97.0887

# Harmonies

## Analogous

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



61.3513, 58.8593, 98.7782



66.2675, 58.8593, 84.2122



68.4095, 58.8593, 66.0182

# Triad

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



66.2675, 58.8593, 84.2122



56.6140, 58.8593, 36.1984



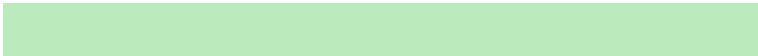
46.1629, 58.8593, 80.3027

# Complementary

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



66.2675, 58.8593, 84.2122



59.1040, 73.0863, 59.1393

# 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.



45.0929, 58.8593, 62.1954



66.2675, 58.8593, 84.2122



50.8642, 58.8593, 38.6504

# Square

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



66.2675, 58.8593, 84.2122



62.5888, 58.8593, 40.0309



46.7525, 58.8593, 47.4557



49.7870, 58.8593, 96.2498



# Rectangle

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



66.2675, 58.8593, 84.2122



67.8693, 58.8593, 54.9544



46.7525, 58.8593, 47.4557



45.5045, 58.8593, 74.1808

# Sweetspot

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



66.2693, 58.8619, 84.2135



90.2572, 90.5818, 106.7860



53.5032, 52.2477, 85.1079



19.2120, 19.1787, 22.8090



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.



66.2693, 58.8619, 84.2135



78.1207, 66.8080, 101.2019



63.2044, 57.6359, 68.0743



15.6855, 15.3021, 18.8951



26.6439, 12.8603, 40.7878



2.1008, 1.0133, 3.2482



# Inverse Universe

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



66.2693, 58.8619, 84.2135



78.1207, 66.8080, 101.2019



61.8106, 74.1689, 73.3919



15.6855, 15.3021, 18.8951



26.6439, 12.8603, 40.7878



2.1008, 1.0133, 3.2482



# Previews

## White Background



This preview shows how the XYZ color 66.2675, 58.8593, 84.2122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

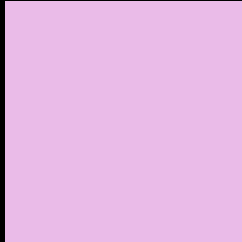
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.2675, 58.8593, 84.2122 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 66.2675, 58.8593, 84.2122**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.2675, 58.8593, 84.2122.



This preview shows how white text looks on a background with the XYZ color 66.2675, 58.8593,



# 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

66.2675, 58.8593, 84.2122

### Protanopia

58.7796, 59.1288, 91.5341

### Deuteranopia

60.2616, 59.0556, 83.0856



## Tritanopia

62.6233, 58.9785, 66.4759

# Trichromacy



## Original Color

66.2675, 58.8593, 84.2122

## Protanomaly

61.2422, 58.7586, 89.0026

## Deuteranomaly

62.1090, 58.6612, 83.6505

## Tritanomaly

63.6342, 58.7221, 72.2706

# Monochromacy



## Original Color

66.2675, 58.8593, 84.2122

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

61.0081, 60.3521, 72.7236

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.2675, 58.8593, 84.2122 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(234, 187, 232)` looks like.

```
.text, #text, p{  
    color:rgb(234, 187, 232)  
}
```

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(234, 187, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 187, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 66.2675, 58.8593, 84.2122 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(234, 187, 232) }
```



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

```
.border{ border-color:rgb(234, 187, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 187, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 187, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 187, 232);  
box-shadow:4px 4px 4px 4px rgb(234, 187,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.2675, 58.8593, 84.2122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 187, 232) }
```

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

```
.background{ background-color: rgb(234,  
187, 232) }
```

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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