

# Converting Colors

XYZ(66.0671, 57.0282, 85.3944)

Have a look what the booklet for  
XYZ(66.0671, 57.0282, 85.3944)  
contains.

<b>XYZ(66.1713, 57.2293, 85.4007)</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(66.1713, 57.2293,  
85.4007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECB6EA
RGB	236, 182, 234
RGB Percent	93%, 71%, 92%
CMY	0.0745, 0.2863, 0.0823
CMYK	0.00, 0.23, 0.01, 0.07
HSL	302°, 59%, 82%
HSV	302°, 23%, 93%
XYZ	66.1713, 57.2293, 85.4007
YIQ	204.0740, 15.4920, 27.6200

# Conversions

## Conversions Part 2

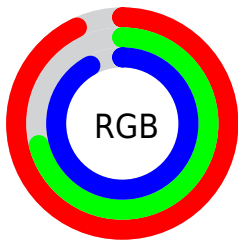
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 182, 234
Decimal	15513322
CIE Lab	80.31, 28.02, -18.39
CIE LCh	80, 33.522, 326.719
Yxy	57.2293, 0.3169, 0.2741
Android (android.graphics.Color)	4293703402 (0xFFECB6EA)
YUV	204.0740, 14.7535, 27.9991
Hunter-Lab	75.6500, 23.7468, -13.9769

# Details

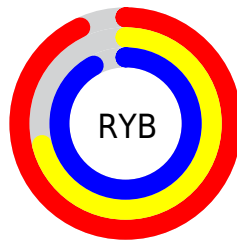
The XYZ color **66.1713, 57.2293, 85.4007** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **57.9409, 73.3984, 56.4640**, and the grayscale version is **57.3456, 60.3321, 65.7016**.

A 20% lighter version of the original color is **89.8645, 89.6291, 107.1715**, and **34.7085, 28.6182, 45.8140** is the 20% darker color. If you saturate the color by 10%, you get **61.6148, 48.3158, 83.2643**, and if you desaturate by 10%, it is **71.5464, 67.7770, 87.8143**.

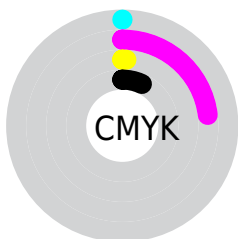
# Distribution



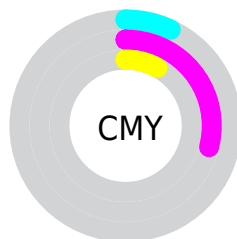
- Red (93%)
- Green (71%)
- Blue (92%)



- Red (93%)
- Yellow (71%)
- Blue (92%)



- Cyan (0%)
- Magenta (23%)
- Yellow (1%)
- Black (7%)



- Cyan (7%)
- Magenta (29%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1713, 57.2293, 85.4007 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 66.1713, 57.2293, 85.4007 by changing the saturation by 10% instead.



66.1713, 57.2293,  
85.4007

66.1713, 57.2293,  
85.4007

436.4682,  
414.3080, 533.1322

48.6797, 41.1894,  
63.6205

112.7885,  
100.7997, 142.8120

34.5789, 28.4671,  
45.8991

142.6449,  
129.0989, 179.2802

23.5037, 18.6780,  
31.8181

177.3535,  
162.2534, 221.4814

15.0886, 11.4379,  
20.9590

217.2797,  
200.6475, 269.8342

8.9683, 6.3622,  
12.9031

262.7890,  
244.6656, 324.7571

4.7775, 3.0665,  
7.2319

314.2466,

2.1507, 1.1666,

294.6921, 386.6687

3.5269

372.0179,  
351.1114, 455.9876

■ 0.7166, 0.0341,  
1.3696

■ 0.0000, 0.0000,  
0.1178

■ 66.1713, 57.2293,  
85.4007

■ 66.1713, 57.2293,  
85.4007

■ 61.6148, 48.3158,  
83.2643

■ 71.5464, 67.7770,  
87.8143

■ 57.8308, 40.9473,  
81.3878

■ 77.7728, 80.0272,  
90.5141

■ 54.7767, 35.0377,  
79.7577

■ 84.8877, 94.0536,  
93.5131

■ 52.4038, 30.4894,  
78.3577

■ 85.7115, 95.4967,  
94.4181

50.6572, 27.1928,  
77.1695

85.8400, 95.5481,  
95.0945

49.4738, 25.0216,  
76.1721

85.9690, 95.5997,  
95.7741

48.7771, 23.8228,  
75.3399

86.0987, 95.6516,  
96.4570

48.4934, 23.3935,  
74.8200

86.2290, 95.7037,  
97.1432

86.3600, 95.7561,  
97.8328

# Harmonies

## Analogous

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



60.5372, 57.2293, 102.4660



66.1713, 57.2293, 85.4007



68.6396, 57.2293, 64.4977

# Triad

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



66.1713, 57.2293, 85.4007



55.1523, 57.2293, 31.7195



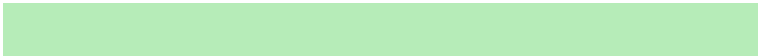
43.4530, 57.2293, 80.8679

# Complementary

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



66.1713, 57.2293, 85.4007



57.9409, 73.3984, 56.4640

# 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.



42.2711, 57.2293, 60.1781



66.1713, 57.2293, 85.4007



48.6824, 57.2293, 34.3170

# Square

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



66.1713, 57.2293, 85.4007



61.9508, 57.2293, 35.7885



44.1055, 57.2293, 43.8135



47.4795, 57.2293, 99.4865



# Rectangle

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



66.1713, 57.2293, 85.4007



68.0162, 57.2293, 52.0744



44.1055, 57.2293, 43.8135



42.7253, 57.2293, 73.8126

# Sweetspot

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



66.1731, 57.2318, 85.4019



89.5113, 89.0928, 106.5295



51.5901, 49.6806, 86.2282



19.0621, 18.8786, 22.7597



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.



66.1731, 57.2318, 85.4019



76.4725, 63.4979, 100.6951



62.6090, 55.8062, 66.6339



15.6893, 15.3036, 18.9151



26.7413, 12.8992, 41.3004



2.1074, 1.0159, 3.2828



# Inverse Universe

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



66.1731, 57.2318, 85.4019



76.4725, 63.4979, 100.6951



61.0218, 74.6308, 72.6878



15.6893, 15.3036, 18.9151



26.7413, 12.8992, 41.3004

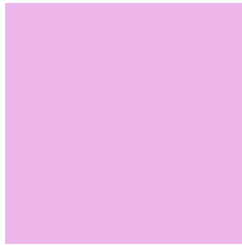


2.1074, 1.0159, 3.2828



# Previews

## White Background



This preview shows how the XYZ color 66.1713, 57.2293, 85.4007 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

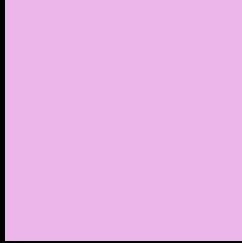
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.1713, 57.2293, 85.4007 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

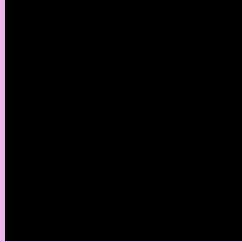
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 66.1713, 57.2293, 85.4007

## Background



This preview shows how black text looks on a background with the XYZ color 66.1713, 57.2293, 85.4007.



This preview shows how white text looks on a background with the XYZ color 66.1713, 57.2293,



# 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

66.1713, 57.2293, 85.4007

### Protanopia

57.6618, 57.7996, 94.5035

### Deuteranopia

58.7092, 57.5529, 84.3584



## Tritanopia

61.9226, 57.3865, 63.6901

# Trichromacy



## Original Color

66.1713, 57.2293, 85.4007

## Protanomaly

60.1804, 57.1720, 91.0825

## Deuteranomaly

61.1458, 57.1572, 84.9005

## Tritanomaly

63.3008, 57.2965, 71.3413

# Monochromacy



## Original Color

66.1713, 57.2293, 85.4007

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

60.3246, 58.9851, 72.4958

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.1713, 57.2293, 85.4007 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(236, 182, 234)` looks like.

```
.text, #text, p{  
    color:rgb(236, 182, 234)  
}
```

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(236, 182, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 182, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 66.1713, 57.2293, 85.4007 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(236, 182, 234) }
```



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

```
.border{ border-color:rgb(236, 182, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 182, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 182, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 182, 234);  
box-shadow:4px 4px 4px 4px rgb(236, 182,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.1713, 57.2293, 85.4007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 182, 234) }
```

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

```
.background{ background-color: rgb(236,  
182, 234) }
```

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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