

Converting Colors

XYZ(64.7905, 58.0814, 84.4547)

Have a look what the booklet for
XYZ(64.7905, 58.0814, 84.4547)
contains.

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Color

**XYZ(64.6489, 58.0249,
84.1365)**

Conversions

Conversions Part 1

Format	Color
Hex	E5BBE8
RGB	229, 187, 232
RGB Percent	90%, 73%, 91%
CMY	0.1020, 0.2666, 0.0902
CMYK	0.01, 0.19, 0.00, 0.09
HSL	296°, 49%, 82%
HSV	296°, 19%, 91%
XYZ	64.6489, 58.0249, 84.1365
YIQ	204.6880, 10.5870, 22.8990

Conversions

Conversions Part 2

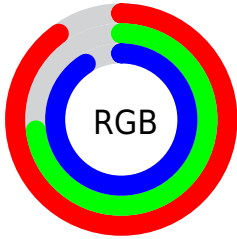
Format	Color
R _Y B	229, 187, 232
Decimal	15055848
CIE Lab	80.75, 22.68, -16.71
CIE LCh	81, 28.177, 323.616
Yxy	58.0249, 0.3126, 0.2806
Android (android.graphics.Color)	4293245928 (0xFFE5BBE8)
YUV	204.6880, 13.4648, 21.3216
Hunter-Lab	76.1741, 18.1882, -12.1657

Details

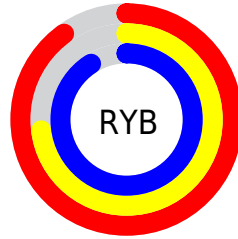
The XYZ color **64.6489, 58.0249, 84.1365** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **59.0636, 72.2498, 57.8493**, and the grayscale version is **57.7442, 60.7514, 66.1583**.

A 20% lighter version of the original color is **91.3406, 92.5812, 107.6635**, and **33.5952, 29.0690, 44.9145** is the 20% darker color. If you saturate the color by 10%, you get **59.6285, 48.7124, 82.6045**, and if you desaturate by 10%, it is **70.4723, 68.9348, 85.9363**.

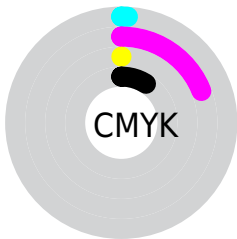
Distribution



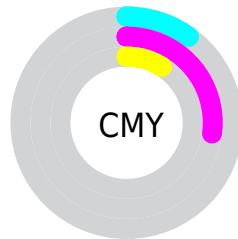
- Red (90%)
- Green (73%)
- Blue (91%)



- Red (90%)
- Yellow (73%)
- Blue (91%)



- Cyan (1%)
- Magenta (19%)
- Yellow (0%)
- Black (9%)



- Cyan (10%)
- Magenta (27%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6489, 58.0249, 84.1365 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 64.6489, 58.0249, 84.1365 by changing the saturation by 10% instead.

64.6489, 58.0249,
84.1365

64.6489, 58.0249,
84.1365

431.0944,
417.2787, 528.8363

47.4401, 41.8287,
62.5821

110.6135,
101.9591, 141.0295

33.5931, 28.9672,
45.0644

140.0999,
130.4659, 177.2052

22.7426, 19.0560,
31.1648

174.4096,
163.8450, 219.0918

14.5232, 11.7107,
20.4649

213.9079,
202.4807, 267.1078

8.5696, 6.5470,
12.5460

258.9602,
246.7576, 321.6716

4.5164, 3.1805,
6.9896

309.9318,

1.9982, 1.2267,

297.0600, 383.2020

3.3773

367.1881,
353.7722, 452.1174

0.6330, 0.0833,
1.2903

0.0000, 0.0000,
0.0539

64.6489, 58.0249,
84.1365

64.6489, 58.0249,
84.1365

59.6285, 48.7124,
82.6045

70.4723, 68.9348,
85.9363

55.3676, 40.9136,
81.3237

77.1290, 81.5056,
88.0118

51.8268, 34.5485,
80.2818

84.1397, 94.7781,
90.2042

48.9610, 29.5267,
79.4635

84.6488, 95.0405,
90.2280

46.7197, 25.7476,
78.8522

85.1622, 95.3052,
90.2520

45.0456, 23.0964,
78.4287

85.6801, 95.5722,
90.2762

43.8706, 21.4371,
78.1703

86.2025, 95.8415,
90.3007

43.0857, 20.5515,
78.0408

86.7294, 96.1131,
90.3254

43.0427, 20.5067,
78.0344

87.2607, 96.3870,
90.3502

Harmonies

Analogous

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



59.7516, 58.0249, 97.2869



64.6489, 58.0249, 84.1365



67.0230, 58.0249, 66.8061

Triad

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



64.6489, 58.0249, 84.1365



56.4032, 58.0249, 36.4048



45.5294, 58.0249, 76.8923

Complementary

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



64.6489, 58.0249, 84.1365



59.0636, 72.2498, 57.8493

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.



44.7708, 58.0249, 59.6861



64.6489, 58.0249, 84.1365



50.7927, 58.0249, 38.1512

Square

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



64.6489, 58.0249, 84.1365



62.0513, 58.0249, 40.7511



46.6320, 58.0249, 46.0276



48.7821, 58.0249, 92.6171

Rectangle

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



64.6489, 58.0249, 84.1365



66.7445, 58.0249, 55.9380



46.6320, 58.0249, 46.0276



44.9842, 58.0249, 71.0199

Sweetspot

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



64.6507, 58.0274, 84.1378



89.9876, 90.4307, 107.3198



53.6379, 53.5465, 83.8533



19.1481, 19.1428, 22.9357



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.



64.6507, 58.0274, 84.1378



77.6851, 67.3839, 103.5197



63.0929, 57.5159, 70.8955



14.8953, 14.5638, 18.1704



23.9382, 11.4065, 43.3232



1.7977, 0.8577, 3.2028

Inverse Universe

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



60.3454, 56.4168, 56.4271



71.5147, 65.0802, 63.5955



60.4624, 72.7236, 69.0860



14.4158, 14.3835, 15.1239



18.5408, 9.5505, 1.2109



1.3839, 0.7113, 0.1620

Previews

White Background



This preview shows how the XYZ color 64.6489, 58.0249, 84.1365 looks on a white background.

Color Contrast Check

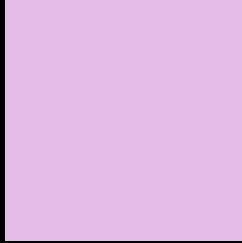
Large Text (above 18pt) WCAG AA × Fail

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 64.6489, 58.0249, 84.1365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

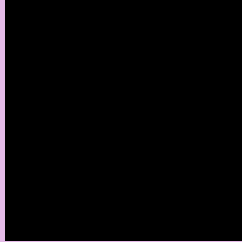
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6489, 58.0249, 84.1365

Background



This preview shows how black text looks on a background with the XYZ color 64.6489, 58.0249, 84.1365.



This preview shows how white text looks on a background with the XYZ color 64.6489, 58.0249,

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

64.6489, 58.0249, 84.1365

Protanopia

57.8898, 58.3446, 90.6486

Deuteranopia

59.4765, 58.3148, 82.9841



Tritanopia

61.0416, 58.1631, 66.4019

Trichromacy



Original Color

64.6489, 58.0249, 84.1365

Protanomaly

59.9780, 58.1238, 88.1786

Deuteranomaly

61.2253, 58.2056, 83.6092

Tritanomaly

62.0432, 57.9020, 72.1961

Monochromacy



Original Color

64.6489, 58.0249, 84.1365

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

60.1914, 59.5906, 72.6197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6489, 58.0249, 84.1365 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(229, 187, 232)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 187, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 187, 232) }
```

Border

The CSS property to change the border of an element to XYZ 64.6489, 58.0249, 84.1365 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(229, 187, 232) }
```


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

```
.border{ border-color:rgb(229, 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(229, 187, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 187, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 187, 232);  
box-shadow:4px 4px 4px 4px rgb(229, 187,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6489, 58.0249, 84.1365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 187, 232) }
```

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

```
.background{ background-color: rgb(229,  
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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