

Converting Colors

XYZ(66.9392, 64.0337, 85.0351)

Have a look what the booklet for
XYZ(66.9392, 64.0337, 85.0351)
contains.

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Color

**XYZ(67.0500, 64.2360,
85.2088)**

Conversions

Conversions Part 1

Format	Color
Hex	E2CAE8
RGB	226, 202, 232
RGB Percent	89%, 79%, 91%
CMY	0.1137, 0.2078, 0.0902
CMYK	0.03, 0.13, 0.00, 0.09
HSL	288°, 39%, 85%
HSV	288°, 13%, 91%
XYZ	67.0500, 64.2360, 85.2088
YIQ	212.5960, 4.6740, 14.4180

Conversions

Conversions Part 2

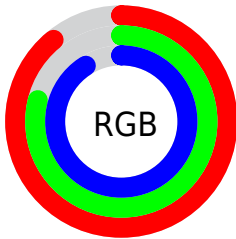
Format	Color
R _Y B	226, 202, 232
Decimal	14863080
CIE Lab	84.09, 13.68, -11.74
CIE LCh	84, 18.029, 319.373
Yxy	64.2360, 0.3097, 0.2967
Android (android.graphics.Color)	4293053160 (0xFFE2CAE8)
YUV	212.5960, 9.5662, 11.7553
Hunter-Lab	80.1474, 9.0724, -6.9311

Details

The XYZ color **67.0500, 64.2360, 85.2088** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.5321, 75.3891, 66.9780**, and the grayscale version is **62.9137, 66.1901, 72.0810**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.2210, 32.9723, 45.5822** is the 20% darker color. If you saturate the color by 10%, you get **60.5755, 53.4173, 83.4628**, and if you desaturate by 10%, it is **74.3860, 76.7172, 87.2322**.

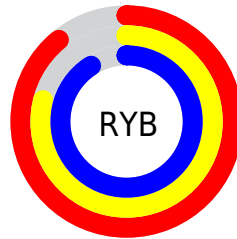
Distribution



Red (89%)

Green (79%)

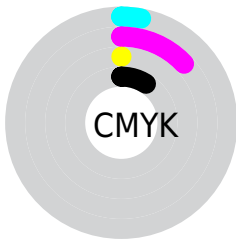
Blue (91%)



Red (89%)

Yellow (79%)

Blue (91%)

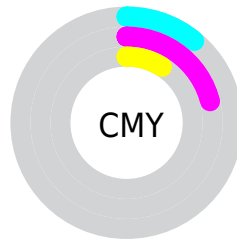


Cyan (3%)

Magenta (13%)

Yellow (0%)

Black (9%)



Cyan (11%)

Magenta (21%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0500, 64.2360, 85.2088 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 67.0500, 64.2360, 85.2088 by changing the saturation by 10% instead.

67.0500, 64.2360,
85.2088

67.0500, 64.2360,
85.2088

439.5524,
440.0414, 532.4813

49.3961, 46.8418,
63.4628

114.0415,
110.9507, 142.5416

35.1496, 32.9106,
45.7723

144.1097,
141.0401, 178.9655

23.9452, 22.0580,
31.7188

179.0468,
176.1300, 221.1191

15.4175, 13.8995,
20.8838

219.2181,
216.6049, 269.4209

9.2011, 8.0508,
12.8487

264.9890,
262.8490, 324.2895

4.9308, 4.1275,
7.1949

316.7248,

2.2410, 1.7451,

315.2469, 386.1434

3.5040

374.7908,
374.1829, 455.4012

■ 0.7642, 0.4526,
1.3574

■ 0.0000, 0.0000,
0.1081

■ 67.0500, 64.2360,
85.2088

■ 67.0500, 64.2360,
85.2088

■ 60.5755, 53.4173,
83.4628

■ 74.3860, 76.7172,
87.2322

■ 54.9202, 44.1797,
81.9778

■ 82.6122, 90.9210,
89.5403

■ 50.0464, 36.4477,
80.7423

■ 86.2347, 95.8581,
90.3023

■ 45.9112, 30.1360,
79.7419

■ 87.8298, 96.6803,
90.3769

■ 42.4677, 25.1509,
78.9612

■ 89.4654, 97.5235,
90.4535

■ 39.6628, 21.3870,
78.3825

■ 91.1419, 98.3878,
90.5319

■ 37.4358, 18.7229,
77.9857

■ 91.5657, 98.6063,
90.5518

■ 35.7128, 17.0121,
77.7463

■ 34.7174, 16.2149,
77.6449

Harmonies

Analogous

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



63.6289, 64.2360, 92.7275



67.0500, 64.2360, 85.2088



68.8907, 64.2360, 74.0630

Triad

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



67.0500, 64.2360, 85.2088



62.4768, 64.2360, 50.5332



54.1144, 64.2360, 77.4688

Complementary

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



67.0500, 64.2360, 85.2088



65.5321, 75.3891, 66.9780

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.



53.8361, 64.2360, 65.9769



67.0500, 64.2360, 85.2088



58.5503, 64.2360, 51.2331

Square

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



67.0500, 64.2360, 85.2088



66.1752, 64.2360, 54.5888



55.4273, 64.2360, 56.6173



56.2048, 64.2360, 87.9339

Rectangle

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



67.0500, 64.2360, 85.2088



68.9222, 64.2360, 66.4322



55.4273, 64.2360, 56.6173



53.8093, 64.2360, 73.5734

Sweetspot

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



67.0519, 64.2388, 85.2102



91.1353, 93.2790, 107.8090



61.6033, 63.7416, 85.4014



19.3534, 19.7033, 23.0330



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.



67.0519, 64.2388, 85.2102



80.4483, 75.1594, 104.8749



67.7880, 64.7544, 79.0937



14.6979, 14.4620, 18.1611



19.3786, 9.0559, 43.1098



1.5040, 0.7063, 3.1890

Inverse Universe

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



65.7867, 63.9538, 68.5548



78.5705, 74.7477, 79.6477



64.9113, 74.9495, 72.3481



14.4943, 14.4149, 15.5372



18.7890, 9.6498, 2.5178



1.4211, 0.7262, 0.3582

Previews

White Background



This preview shows how the XYZ color 67.0500, 64.2360, 85.2088 looks on a white background.

Color Contrast Check

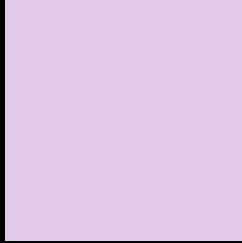
Large Text (above 18pt) WCAG AA × Fail

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 67.0500, 64.2360, 85.2088 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 67.0500, 64.2360, 85.2088

Background



This preview shows how black text looks on a background with the XYZ color 67.0500, 64.2360, 85.2088.



This preview shows how white text looks on a background with the XYZ color 67.0500, 64.2360,

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

67.0500, 64.2360, 85.2088

Protanopia

63.1498, 64.2897, 88.4377

Deuteranopia

65.6736, 64.2276, 85.2797



Tritanopia

65.2516, 64.2003, 76.6629

Trichromacy



Original Color

67.0500, 64.2360, 85.2088

Protanomaly

64.5073, 64.2869, 87.6060

Deuteranomaly

66.0456, 64.0677, 85.2292

Tritanomaly

65.8618, 64.1012, 79.4225

Monochromacy



Original Color

67.0500, 64.2360, 85.2088

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.6322, 65.6737, 76.9799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0500, 64.2360, 85.2088 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(226, 202, 232)` looks like.

```
.text, #text, p{  
    color:rgb(226, 202, 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(226, 202, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 202, 232) }
```

Border

The CSS property to change the border of an element to XYZ 67.0500, 64.2360, 85.2088 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(226, 202, 232) }
```


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

```
.border{ border-color:rgb(226, 202, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 202, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 202, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 202, 232); box-shadow:4px 4px 4px 4px rgb(226, 202, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0500, 64.2360, 85.2088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 202, 232) }
```

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

```
.background{ background-color: rgb(226,  
202, 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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