

Converting Colors

XYZ(68.1613, 63.6586, 84.0266)

Have a look what the booklet for
XYZ(68.1613, 63.6586, 84.0266)
contains.

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Color

**XYZ(68.4515, 63.9400,
84.3352)**

Conversions

Conversions Part 1

Format	Color
Hex	E9C7E7
RGB	233, 199, 231
RGB Percent	91%, 78%, 91%
CMY	0.0863, 0.2196, 0.0941
CMYK	0.00, 0.15, 0.01, 0.09
HSL	304°, 44%, 85%
HSV	304°, 15%, 91%
XYZ	68.4515, 63.9400, 84.3352
YIQ	212.8140, 9.9920, 17.1600

Conversions

Conversions Part 2

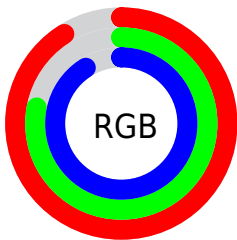
Format	Color
R _Y B	233, 199, 231
Decimal	15321063
CIE Lab	83.93, 17.43, -11.37
CIE LCh	84, 20.809, 326.872
Yxy	63.9400, 0.3158, 0.2950
Android (android.graphics.Color)	4293511143 (0xFFE9C7E7)
YUV	212.8140, 8.9657, 17.7031
Hunter-Lab	79.9625, 12.8697, -6.5585

Details

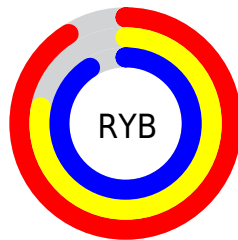
The XYZ color **68.4515, 63.9400, 84.3352** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **63.2372, 74.6388, 66.3355**, and the grayscale version is **63.0605, 66.3446, 72.2492**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9947, 32.6931, 44.9707** is the 20% darker color. If you saturate the color by 10%, you get **63.3034, 53.9515, 81.6683**, and if you desaturate by 10%, it is **74.4257, 75.5762, 87.2864**.

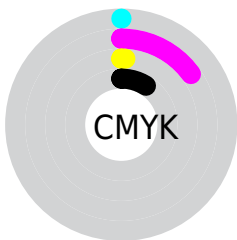
Distribution



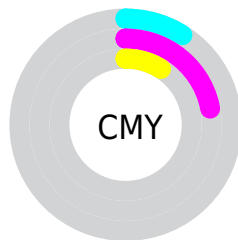
- Red (91%)
- Green (78%)
- Blue (91%)



- Red (91%)
- Yellow (78%)
- Blue (91%)



- Cyan (0%)
- Magenta (15%)
- Yellow (1%)
- Black (9%)



- Cyan (9%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4515, 63.9400, 84.3352 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 68.4515, 63.9400, 84.3352 by changing the saturation by 10% instead.

68.4515, 63.9400,
84.3352

68.4515, 63.9400,
84.3352

444.4457,
438.9729, 529.5128

50.5402, 46.6021,
62.7452

116.0362,
110.5245, 141.3099

36.0623, 32.7212,
45.1955

146.4402,
140.5399, 177.5317

24.6527, 21.9129,
31.2673

181.7392,
175.5499, 219.4678

15.9458, 13.7929,
20.5423

222.2985,
215.9389, 267.5369

9.5764, 7.9768,
12.6019

268.4834,
262.0913, 322.1573

5.1791, 4.0801,
7.0275

320.6594,

2.3886, 1.7185,

314.3915, 383.7478

3.4006

379.1917,
373.2240, 452.7268

■ 0.8394, 0.4356,
1.3026

■ 0.0000, 0.0000,
0.0640

■ 68.4515, 63.9400,
84.3352

■ 68.4515, 63.9400,
84.3352

■ 63.3034, 53.9515,
81.6683

■ 74.4257, 75.5762,
87.2864

■ 58.9385, 45.5279,
79.2692

■ 81.2551, 88.9215,
90.5295

■ 55.3186, 38.5920,
77.1259

■ 84.3766, 94.8486,
92.5441

■ 52.4001, 33.0563,
75.2238

■ 84.5756, 94.9282,
93.5921

50.1347, 28.8247,
73.5469

84.7762, 95.0085,
94.6481

48.4684, 25.7885,
72.0770

84.9782, 95.0893,
95.7122

47.3380, 23.8219,
70.7931

85.1819, 95.1707,
96.7844

46.6665, 22.7708,
69.6696

85.3870, 95.2528,
97.8647

46.4295, 22.4538,
69.1070

85.5937, 95.3355,
98.9531

Harmonies

Analogous

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



64.8417, 63.9400, 94.6317



68.4515, 63.9400, 84.3352



69.9987, 63.9400, 71.0053

Triad

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



68.4515, 63.9400, 84.3352



61.2549, 63.9400, 47.3481



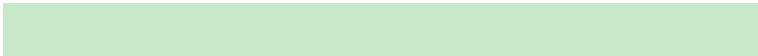
53.2501, 63.9400, 81.6550

Complementary

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



68.4515, 63.9400, 84.3352



63.2372, 74.6388, 66.3355

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.



52.3959, 63.9400, 68.2524



68.4515, 63.9400, 84.3352



56.8783, 63.9400, 49.4560

Square

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



68.4515, 63.9400, 84.3352



65.7148, 63.9400, 50.5600



53.6914, 63.9400, 56.7242



56.0855, 63.9400, 92.9527

Rectangle

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



68.4515, 63.9400, 84.3352



69.5973, 63.9400, 62.5524



53.6914, 63.9400, 56.7242



52.7281, 63.9400, 77.2005

Sweetspot

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



68.4534, 63.9428, 84.3366



91.7854, 93.6253, 107.3359



59.1410, 59.1092, 85.3841



19.5185, 19.7912, 22.9127



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.



68.4534, 63.9428, 84.3366



81.6832, 73.9573, 102.3145



66.2058, 63.0438, 72.5010



15.6743, 15.2976, 18.8362



26.3612, 12.7472, 39.2989



2.0817, 1.0056, 3.1474

Inverse Universe

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



68.4534, 63.9428, 84.3366



81.6832, 73.9573, 102.3145



65.3100, 75.4679, 77.2508



15.6743, 15.2976, 18.8362



26.3612, 12.7472, 39.2989



2.0817, 1.0056, 3.1474

Previews

White Background



This preview shows how the XYZ color 68.4515, 63.9400, 84.3352 looks on a white background.

Color Contrast Check

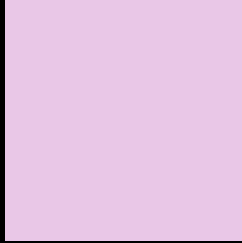
Large Text (above 18pt) WCAG AA × Fail

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 68.4515, 63.9400, 84.3352 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 68.4515, 63.9400, 84.3352

Background



This preview shows how black text looks on a background with the XYZ color 68.4515, 63.9400, 84.3352.



This preview shows how white text looks on a background with the XYZ color 68.4515, 63.9400,

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

68.4515, 63.9400, 84.3352

Protanopia

63.0188, 64.2053, 89.1922

Deuteranopia

65.3910, 64.1145, 83.7918



Tritanopia

66.3660, 63.7720, 74.4570

Trichromacy



Original Color

68.4515, 63.9400, 84.3352

Protanomaly

64.8510, 64.1079, 87.5533

Deuteranomaly

66.4548, 63.9618, 83.7062

Tritanomaly

67.1178, 63.7383, 77.8725

Monochromacy



Original Color

68.4515, 63.9400, 84.3352

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.9893, 65.4947, 76.9266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4515, 63.9400, 84.3352 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(233, 199, 231)` looks like.

```
.text, #text, p{  
    color:rgb(233, 199, 231)  
}
```

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(233, 199, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 199, 231) }
```

Border

The CSS property to change the border of an element to XYZ 68.4515, 63.9400, 84.3352 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(233, 199, 231) }
```


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

```
.border{ border-color:rgb(233, 199, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 199, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 199, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 199, 231);  
box-shadow:4px 4px 4px 4px rgb(233, 199,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4515, 63.9400, 84.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 199, 231) }
```

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

```
.background{ background-color: rgb(233,  
199, 231) }
```

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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