

Converting Colors

XYZ(69.9832, 65.4470, 83.2199)

Have a look what the booklet for
XYZ(69.9832, 65.4470, 83.2199)
contains.

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Color

**XYZ(69.9546, 65.4350,
83.0719)**

Conversions

Conversions Part 1

Format	Color
Hex	EDC9E5
RGB	237, 201, 229
RGB Percent	93%, 79%, 90%
CMY	0.0706, 0.2117, 0.1020
CMYK	0.00, 0.15, 0.03, 0.07
HSL	313°, 50%, 86%
HSV	313°, 15%, 93%
XYZ	69.9546, 65.4350, 83.0719
YIQ	214.9560, 12.4680, 16.3400

Conversions

Conversions Part 2

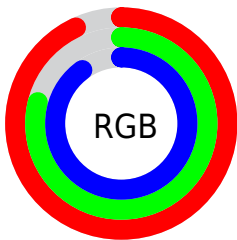
Format	Color
R _Y B	237, 201, 229
Decimal	15583717
CIE Lab	84.71, 17.35, -9.12
CIE LCh	85, 19.602, 332.279
Yxy	65.4350, 0.3202, 0.2995
Android (android.graphics.Color)	4293773797 (0xFFEDC9E5)
YUV	214.9560, 6.9237, 19.3326
Hunter-Lab	80.8919, 12.8044, -4.2635

Details

The XYZ color **69.9546, 65.4350, 83.0719** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.8828, 77.5913, 71.8296**, and the grayscale version is **64.5119, 67.8716, 73.9121**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1298, 33.7472, 44.6013** is the 20% darker color. If you saturate the color by 10%, you get **64.1265, 54.9372, 77.5559**, and if you desaturate by 10%, it is **76.6612, 77.6522, 88.9923**.

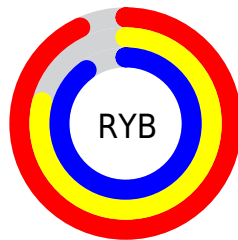
Distribution



Red (93%)

Green (79%)

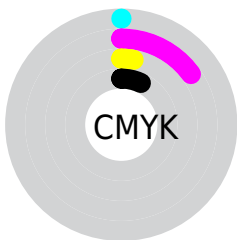
Blue (90%)



Red (93%)

Yellow (79%)

Blue (90%)

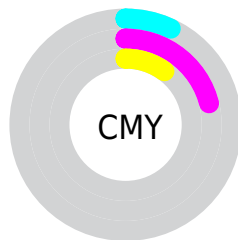


Cyan (0%)

Magenta (15%)

Yellow (3%)

Black (7%)



Cyan (7%)

Magenta (21%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9546, 65.4350, 83.0719 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 69.9546, 65.4350, 83.0719 by changing the saturation by 10% instead.

69.9546, 65.4350,
83.0719

69.9546, 65.4350,
83.0719

449.6595,
444.3535, 525.2034

51.7690, 47.8139,
61.7085

118.1706,
112.6750, 139.5263

37.0445, 33.6795,
44.3629

148.9318,
143.0627, 175.4544

25.4158, 22.6475,
30.6167

184.6154,
178.4748, 217.0744

16.5175, 14.3335,
20.0511

225.5870,
219.2955, 264.8050

9.9842, 8.3530,
12.2478

272.2119,
265.9094, 319.0647

5.4507, 4.3216,
6.7881

324.8553,

2.5515, 1.8550,

318.7007, 380.2719

3.2535

383.8827,
378.0540, 448.8453

■ 0.9213, 0.5211,
1.2255

■ 0.0000, 0.0000,
0.0000

■ 69.9546, 65.4350,
83.0719

■ 69.9546, 65.4350,
83.0719

■ 64.1265, 54.9372,
77.5559

■ 76.6612, 77.6522,
88.9923

■ 59.1321, 46.0723,
72.4263

■ 84.2772, 91.6531,
95.3262

■ 54.9311, 38.7590,
67.6692

■ 87.1370, 96.1054,
100.1867

■ 51.4775, 32.9058,
63.2685

■ 87.9520, 96.4314,
104.4785

■ 48.7205, 28.4116,
59.2062

■ 88.7356, 96.7448,
108.6045

■ 46.6030, 25.1621,
55.4623

■ 45.0584, 23.0245,
52.0134

■ 44.0047, 21.8354,
48.8313

■ 43.6116, 21.4792,
47.3745

Harmonies

Analogous

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



66.8030, 65.4350, 93.6577



69.9546, 65.4350, 83.0719



70.9985, 65.4350, 70.2924

Triad

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



69.9546, 65.4350, 83.0719



61.8596, 65.4350, 49.7541



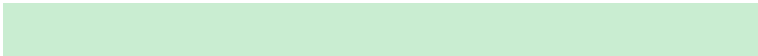
55.3391, 65.4350, 84.9266

Complementary

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



69.9546, 65.4350, 83.0719



65.8828, 77.5913, 71.8296

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.



54.1493, 65.4350, 72.2114



69.9546, 65.4350, 83.0719



57.8021, 65.4350, 52.7318

Square

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



69.9546, 65.4350, 83.0719



66.1962, 65.4350, 51.9506



55.0297, 65.4350, 60.6022



58.3565, 65.4350, 94.8139

Rectangle

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



69.9546, 65.4350, 83.0719



70.3209, 65.4350, 62.4854



55.0297, 65.4350, 60.6022



54.7187, 65.4350, 80.7928

Sweetspot

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



69.9565, 65.4379, 83.0733



90.6636, 91.9520, 105.2037



62.4135, 61.4172, 88.6871



19.2785, 19.4486, 22.4089



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.



69.9565, 65.4379, 83.0733



80.5157, 73.4903, 96.1664



67.5970, 64.4941, 70.6483



15.5632, 15.2531, 18.2511



23.8614, 11.7473, 26.1354



1.9089, 0.9365, 2.2378

Inverse Universe

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



69.9565, 65.4379, 83.0733



80.5157, 73.4903, 96.1664



68.2114, 78.5227, 84.0916



15.5632, 15.2531, 18.2511



23.8614, 11.7473, 26.1354



1.9089, 0.9365, 2.2378

Previews

White Background



This preview shows how the XYZ color 69.9546, 65.4350, 83.0719 looks on a white background.

Color Contrast Check

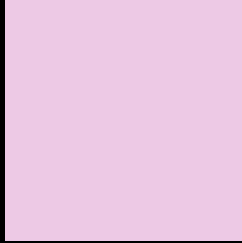
Large Text (above 18pt) WCAG AA × Fail

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 69.9546, 65.4350, 83.0719 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 69.9546, 65.4350, 83.0719

Background



This preview shows how black text looks on a background with the XYZ color 69.9546, 65.4350, 83.0719.



This preview shows how white text looks on a background with the XYZ color 69.9546, 65.4350,

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

69.9546, 65.4350, 83.0719

Protanopia

64.3365, 65.6467, 87.8774

Deuteranopia

67.1262, 65.7516, 82.5522



Tritanopia

68.7342, 65.6592, 76.0686

Trichromacy



Original Color

69.9546, 65.4350, 83.0719

Protanomaly

66.2342, 65.5689, 86.2559

Deuteranomaly

67.9096, 65.4452, 82.4518

Tritanomaly

69.0319, 65.4016, 78.7974

Monochromacy



Original Color

69.9546, 65.4350, 83.0719

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.3963, 66.9485, 77.1330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9546, 65.4350, 83.0719 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(237, 201, 229)` looks like.

```
.text, #text, p{  
    color:rgb(237, 201, 229)  
}
```

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(237, 201, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 201, 229) }
```

Border

The CSS property to change the border of an element to XYZ 69.9546, 65.4350, 83.0719 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(237, 201, 229) }
```


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

```
.border{ border-color:rgb(237, 201, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 201, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 201, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 201, 229);  
box-shadow:4px 4px 4px 4px rgb(237, 201,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9546, 65.4350, 83.0719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 201, 229) }
```

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

```
.background{ background-color: rgb(237,  
201, 229) }
```

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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