

Converting Colors

XYZ(69.8225, 65.2148, 83.4541)

Have a look what the booklet for
XYZ(69.8225, 65.2148, 83.4541)
contains.

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Color

**XYZ(70.0946, 65.4910,
83.8095)**

Conversions

Conversions Part 1

Format	Color
Hex	EDC9E6
RGB	237, 201, 230
RGB Percent	93%, 79%, 90%
CMY	0.0706, 0.2117, 0.0980
CMYK	0.00, 0.15, 0.03, 0.07
HSL	312°, 50%, 86%
HSV	312°, 15%, 93%
XYZ	70.0946, 65.4910, 83.8095
YIQ	215.0700, 12.1470, 16.6510

Conversions

Conversions Part 2

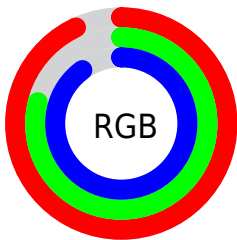
Format	Color
R_{YB}	237, 201, 230
Decimal	15583718
CIE _{Lab}	84.74, 17.53, -9.61
CIE _{LCh}	85, 19.990, 331.272
Yxy	65.4910, 0.3195, 0.2985
Android (android.graphics.Color)	4293773798 (0xFFEDC9E6)
YUV	215.0700, 7.3605, 19.2326
Hunter-Lab	80.9265, 12.9866, -4.7536

Details

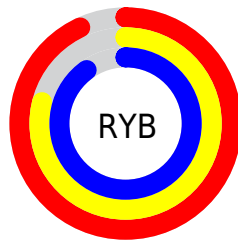
The XYZ color **70.0946, 65.4910, 83.8095** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.7593, 77.5417, 71.1793**, and the grayscale version is **64.5863, 67.9498, 73.9974**.

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 **64.3522, 55.0275, 78.7447**, and if you desaturate by 10%, it is **76.7103, 77.6718, 89.2514**.

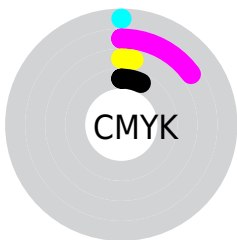
Distribution



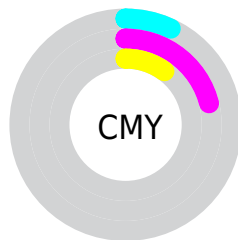
- Red (93%)
- Green (79%)
- Blue (90%)



- 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 70.0946, 65.4910, 83.8095 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 70.0946, 65.4910, 83.8095 by changing the saturation by 10% instead.


 70.0946, 65.4910,
83.8095

 70.0946, 65.4910,
83.8095

450.1433,
444.5543, 527.7219

 51.8835, 47.8593,
62.3137


118.3692,
112.7555, 140.5680

 37.1361, 33.7155,
44.8488


149.1634,
143.1571, 176.6678

 25.4871, 22.6751,
30.9963


184.8827,
178.5841, 218.4727

 16.5710, 14.3538,
20.3376

225.8925,
219.4209, 266.4011

 10.0225, 8.3672,
12.4541

272.5581,
266.0519, 320.8717

 5.4763, 4.3308,
6.9275

325.2449,

 2.5669, 1.8603,

318.8616, 382.3031

3.3390

384.3182,
378.2343, 451.1136

■ 0.9291, 0.5243,
1.2702

■ 0.0000, 0.0000,
0.0372

■ 70.0946, 65.4910,
83.8095

■ 70.0946, 65.4910,
83.8095

■ 64.3522, 55.0275,
78.7447

■ 76.7103, 77.6718,
89.2514

■ 59.4383, 46.1948,
74.0391

■ 84.2302, 91.6343,
95.0790

■ 55.3127, 38.9117,
69.6794

■ 86.9885, 96.0460,
99.4051

■ 51.9296, 33.0867,
65.6497

■ 87.6967, 96.3292,
103.1341

■ 49.2382, 28.6186,
61.9324

■ 88.4224, 96.6195,
106.9560

■ 47.1813, 25.3934,
58.5078

■ 88.7355, 96.7447,
108.6045

■ 45.6925, 23.2781,
55.3530

■ 44.6900, 22.1095,
52.4400

■ 44.3197, 21.7625,
51.1040

Harmonies

Analogous

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



66.8176, 65.4910, 94.4908



70.0946, 65.4910, 83.8095



71.2439, 65.4910, 70.7632

Triad

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



70.0946, 65.4910, 83.8095



62.0565, 65.4910, 49.4169



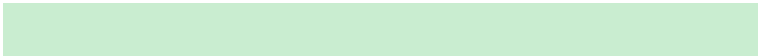
55.1846, 65.4910, 84.8686

Complementary

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



70.0946, 65.4910, 83.8095



65.7593, 77.5417, 71.1793

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.



54.0418, 65.4910, 71.8567



70.0946, 65.4910, 83.8095



57.8902, 65.4910, 52.2667

Square

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



70.0946, 65.4910, 83.8095



66.4715, 65.4910, 51.8235



55.0086, 65.4910, 60.1169



58.2058, 65.4910, 95.1519

Rectangle

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



70.0946, 65.4910, 83.8095



70.6072, 65.4910, 62.7437



55.0086, 65.4910, 60.1169



54.5747, 65.4910, 80.6195

Sweetspot

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



70.0965, 65.4939, 83.8109



90.7199, 91.9745, 105.4999



62.0756, 61.2430, 88.6711



19.2922, 19.4541, 22.4810



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.



70.0965, 65.4939, 83.8109



80.7109, 73.5684, 97.1944



67.7482, 64.5545, 71.4446



15.5819, 15.2606, 18.3497



24.2437, 11.9002, 28.1486



1.9358, 0.9473, 2.3794

Inverse Universe

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



70.0965, 65.4939, 83.8109



80.7109, 73.5684, 97.1944



68.0464, 78.4566, 83.2232



15.5819, 15.2606, 18.3497



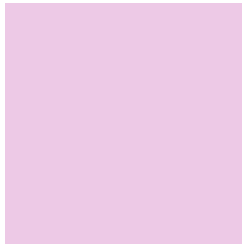
24.2437, 11.9002, 28.1486



1.9358, 0.9473, 2.3794

Previews

White Background



This preview shows how the XYZ color 70.0946, 65.4910, 83.8095 looks on a white background.

Color Contrast Check

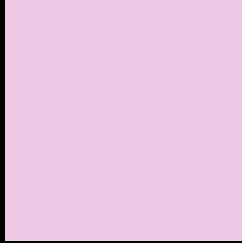
Large Text (above 18pt) WCAG AA × Fail

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 70.0946, 65.4910, 83.8095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

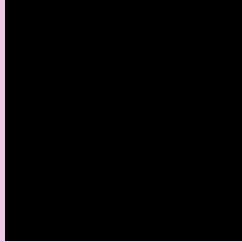
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.0946, 65.4910, 83.8095

Background



This preview shows how black text looks on a background with the XYZ color 70.0946, 65.4910, 83.8095.



This preview shows how white text looks on a background with the XYZ color 70.0946, 65.4910,

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

70.0946, 65.4910, 83.8095

Protanopia

64.1993, 65.5592, 88.6274

Deuteranopia

66.9546, 65.6470, 83.2710



Tritanopia

68.4031, 65.4885, 76.0531

Trichromacy



Original Color

70.0946, 65.4910, 83.8095

Protanomaly

66.3775, 65.6262, 87.0106

Deuteranomaly

68.0488, 65.5009, 83.1851

Tritanomaly

69.0319, 65.4016, 78.7974

Monochromacy



Original Color

70.0946, 65.4910, 83.8095

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 70.0946, 65.4910, 83.8095 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(237, 201, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 201, 230) }
```

Border

The CSS property to change the border of an element to XYZ 70.0946, 65.4910, 83.8095 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, 230) }
```


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

```
.border{ border-color:rgb(237, 201, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 201, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 201, 230);  
box-shadow:4px 4px 4px 4px rgb(237, 201,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0946, 65.4910, 83.8095 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, 230) }
```

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

```
.background{ background-color: rgb(237,  
201, 230) }
```

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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