

Converting Colors

XYZ(70.3509, 64.8875, 89.0524)

Have a look what the booklet for
XYZ(70.3509, 64.8875, 89.0524)
contains.

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Color

**XYZ(70.3016, 64.7941,
88.9220)**

Conversions

Conversions Part 1

Format	Color
Hex	ECC7ED
RGB	236, 199, 237
RGB Percent	93%, 78%, 93%
CMY	0.0745, 0.2196, 0.0706
CMYK	0.00, 0.16, 0.00, 0.07
HSL	298°, 51%, 85%
HSV	298°, 16%, 93%
XYZ	70.3016, 64.7941, 88.9220
YIQ	214.3950, 9.8540, 19.6620

Conversions

Conversions Part 2

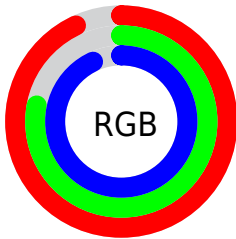
Format	Color
R _Y B	236, 199, 237
Decimal	15517677
CIE _{Lab}	84.38, 19.52, -13.88
CIE _{LCh}	84, 23.951, 324.584
Y _{xy}	64.7941, 0.3138, 0.2892
Android (android.graphics.Color)	4293707757 (0xFFECC7ED)
Y _{UV}	214.3950, 11.1443, 18.9476
Hunter-Lab	80.4948, 15.0304, -9.1509

Details

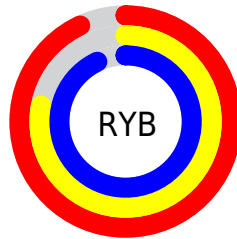
The XYZ color **70.3016, 64.7941, 88.9220** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.4146, 76.9729, 65.4982**, and the grayscale version is **64.1068, 67.4453, 73.4479**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2883, 33.2903, 48.1764** is the 20% darker color. If you saturate the color by 10%, you get **65.0617, 54.6200, 87.2353**, and if you desaturate by 10%, it is **76.3953, 76.6726, 90.8946**.

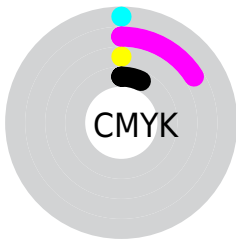
Distribution



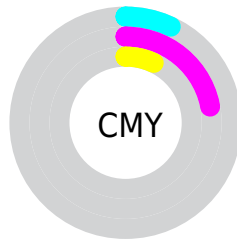
- Red (93%)
- Green (78%)
- Blue (93%)



- Red (93%)
- Yellow (78%)
- Blue (93%)



- Cyan (0%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)





- Cyan (7%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.3016, 64.7941, 88.9220 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 70.3016, 64.7941, 88.9220 by changing the saturation by 10% instead.


 70.3016, 64.7941,
88.9220

 70.3016, 64.7941,
88.9220


450.8582,
442.0517, 544.9972

 52.0529, 47.2941,
66.5182


118.6627,
111.7538, 147.7625

 37.2717, 33.2682,
48.2341

149.5058,
141.9823, 185.0363

 25.5926, 22.3320,
33.6510


185.2778,
177.2225, 228.1039

 16.6502, 14.1011,
22.3504

226.3440,
217.8587, 277.3838

 10.0791, 8.1910,
13.9138

273.0698,
264.2753, 333.2945

 5.5141, 4.2174,
7.9227

325.8205,

 2.5898, 1.7959,

316.8567, 396.2547

3.9585

384.9615,
375.9874, 466.6827

■ 0.9408, 0.4846,
1.6026

■ 0.0000, 0.0000,
0.2927

■ 70.3016, 64.7941,
88.9220

■ 70.3016, 64.7941,
88.9220

■ 65.0617, 54.6200,
87.2353

■ 76.3953, 76.6726,
90.8946

■ 60.6306, 46.0634,
85.8173

■ 83.3736, 90.3203,
93.1610

■ 56.9679, 39.0427,
84.6552

■ 86.2632, 95.7895,
94.0644

■ 54.0276, 33.4657,
83.7337

■ 86.4727, 95.8975,
94.0742

51.7586, 29.2302,
83.0358

86.6830, 96.0059,
94.0841

50.1033, 26.2210,
82.5422

86.8940, 96.1147,
94.0939

48.9943, 24.3033,
82.2305

87.1057, 96.2238,
94.1038

48.3480, 23.3100,
82.0728

87.3182, 96.3334,
94.1138

48.1661, 23.0647,
82.0350

87.5313, 96.4433,
94.1238

Harmonies

Analogous

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



65.9385, 64.7941, 100.6783



70.3016, 64.7941, 88.9220



72.3382, 64.7941, 73.3509

Triad

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



70.3016, 64.7941, 88.9220



62.5553, 64.7941, 45.2227



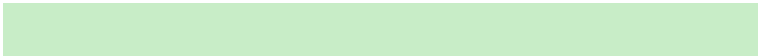
52.7447, 64.7941, 83.4505

Complementary

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



70.3016, 64.7941, 88.9220



64.4146, 76.9729, 65.4982

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.



51.9538, 64.7941, 67.8209



70.3016, 64.7941, 88.9220



57.4272, 64.7941, 47.1254

Square

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



70.3016, 64.7941, 88.9220



67.7040, 64.7941, 49.2698



53.6202, 64.7941, 54.9003



55.8460, 64.7941, 97.2143

Rectangle

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



70.3016, 64.7941, 88.9220



72.0226, 64.7941, 63.4285



53.6202, 64.7941, 54.9003



52.2076, 64.7941, 78.1850

Sweetspot

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



70.3035, 64.7969, 88.9234



90.9933, 92.0696, 107.5831



59.5581, 59.6919, 88.5044



19.3589, 19.4773, 22.9891



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.



70.3035, 64.7969, 88.9234



81.0266, 72.6470, 104.3594



68.1718, 63.9827, 75.9610



15.6734, 15.2924, 19.0479



26.3152, 12.6019, 44.7884



2.0788, 0.9960, 3.5175

Inverse Universe

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



65.7760, 63.0243, 63.3446



74.8075, 70.2133, 69.1711



66.3293, 77.7080, 76.9694



15.0815, 15.0605, 15.7147



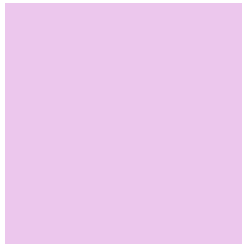
19.0939, 9.8402, 1.0298



1.5050, 0.7750, 0.1107

Previews

White Background



This preview shows how the XYZ color 70.3016, 64.7941, 88.9220 looks on a white background.

Color Contrast Check

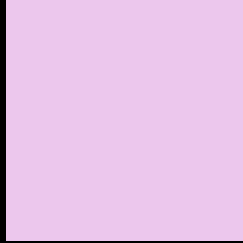
Large Text (above 18pt) WCAG AA × Fail

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 70.3016, 64.7941, 88.9220 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 70.3016, 64.7941, 88.9220

Background



This preview shows how black text looks on a background with the XYZ color 70.3016, 64.7941, 88.9220.



This preview shows how white text looks on a background with the XYZ color 70.3016, 64.7941,

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

70.3016, 64.7941, 88.9220

Protanopia

64.3064, 65.1117, 94.7665

Deuteranopia

66.1851, 64.7788, 88.3721



Tritanopia

67.3797, 64.6267, 75.2526

Trichromacy



Original Color

70.3016, 64.7941, 88.9220

Protanomaly

66.0274, 64.6124, 92.2105

Deuteranomaly

67.5476, 64.7756, 88.2997

Tritanomaly

68.4089, 64.7020, 80.1173

Monochromacy



Original Color

70.3016, 64.7941, 88.9220

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

66.1095, 66.4045, 78.4402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3016, 64.7941, 88.9220 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(236, 199, 237)` looks like.

```
.text, #text, p{  
    color:rgb(236, 199, 237)  
}
```

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(236, 199, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 199, 237) }
```

Border

The CSS property to change the border of an element to XYZ 70.3016, 64.7941, 88.9220 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(236, 199, 237) }
```


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

```
.border{ border-color:rgb(236, 199, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 199, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 199, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 199, 237);  
box-shadow:4px 4px 4px 4px rgb(236, 199,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3016, 64.7941, 88.9220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 199, 237) }
```

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

```
.background{ background-color: rgb(236,  
199, 237) }
```

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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