

Converting Colors

XYZ(70.3195, 66.6206, 85.6548)

Have a look what the booklet for
XYZ(70.3195, 66.6206, 85.6548)
contains.

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Color

**XYZ(70.4193, 66.6741,
85.5018)**

Conversions

Conversions Part 1

Format	Color
Hex	EBCCE8
RGB	235, 204, 232
RGB Percent	92%, 80%, 91%
CMY	0.0784, 0.2000, 0.0902
CMYK	0.00, 0.13, 0.01, 0.08
HSL	306°, 44%, 86%
HSV	306°, 13%, 92%
XYZ	70.4193, 66.6741, 85.5018
YIQ	216.4610, 9.4880, 15.2800

Conversions

Conversions Part 2

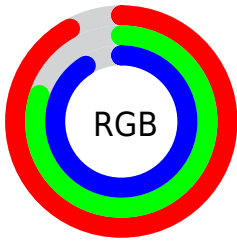
Format	Color
R _Y B	235, 204, 232
Decimal	15453416
CIE Lab	85.34, 15.63, -9.79
CIE LCh	85, 18.442, 327.923
Yxy	66.6741, 0.3164, 0.2995
Android (android.graphics.Color)	4293643496 (0xFFEBCCE8)
YUV	216.4610, 7.6607, 16.2587
Hunter-Lab	81.6542, 11.0451, -4.9258

Details

The XYZ color **70.4193, 66.6741, 85.5018** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.8752, 76.7609, 70.3794**, and the grayscale version is **65.5311, 68.9438, 75.0798**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3332, 34.5310, 45.7718** is the 20% darker color. If you saturate the color by 10%, you get **64.9294, 56.2071, 82.0887**, and if you desaturate by 10%, it is **76.7600, 78.8340, 89.2207**.

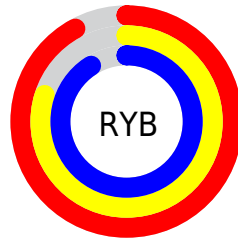
Distribution



Red (92%)

Green (80%)

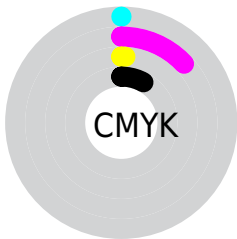
Blue (91%)



Red (92%)

Yellow (80%)

Blue (91%)

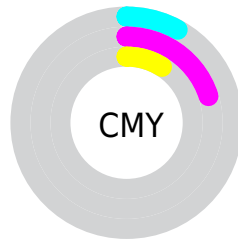


Cyan (0%)

Magenta (13%)

Yellow (1%)

Black (8%)



Cyan (8%)

Magenta (20%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4193, 66.6741, 85.5018 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 70.4193, 66.6741, 85.5018 by changing the saturation by 10% instead.

70.4193, 66.6741,
85.5018

70.4193, 66.6741,
85.5018

451.2644,
448.7838, 533.4749

52.1493, 48.8198,
63.7036

118.8295,
114.4533, 142.9544

37.3488, 34.4766,
45.9660

149.7004,
145.1470, 179.4459

25.6526, 23.2600,
31.8705

185.5023,
180.8893, 221.6722

16.6952, 14.7856,
20.9986

226.6006,
222.0647, 270.0518

10.1114, 8.6690,
12.9317

273.3606,
269.0574, 325.0034

5.5357, 4.5259,
7.2514

326.1476,

2.6028, 1.9719,

322.2519, 386.9454

3.5390

385.3271,
382.0326, 456.2964

■ 0.9474, 0.5911,
1.3760

■ 0.0000, 0.0000,
0.1229

■ 70.4193, 66.6741,
85.5018

■ 70.4193, 66.6741,
85.5018

■ 64.9294, 56.2071,
82.0887

■ 76.7600, 78.8340,
89.2207

■ 60.2469, 47.3491,
78.9645

■ 83.9809, 92.7485,
93.2529

■ 56.3331, 40.0220,
76.1171

■ 85.5756, 95.4041,
95.4305

■ 53.1441, 34.1378,
73.5316

■ 85.9135, 95.5393,
97.2101

50.6313, 29.5995,
71.1919

86.2557, 95.6761,
99.0120

48.7404, 26.2984,
69.0797

86.6022, 95.8147,
100.8363

47.4085, 24.1088,
67.1740

86.9529, 95.9550,
102.6831

46.5594, 22.8782,
65.4493

87.3079, 96.0970,
104.5526

46.1773, 22.4288,
64.3516

87.6672, 96.2407,
106.4447

Harmonies

Analogous

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



67.2053, 66.6741, 94.8616



70.4193, 66.6741, 85.5018



71.7364, 66.6741, 73.4331

Triad

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



70.4193, 66.6741, 85.5018



63.6631, 66.6741, 51.9619



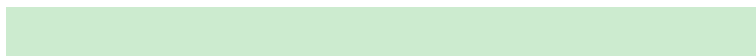
56.5408, 66.6741, 83.9026

Complementary

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



70.4193, 66.6741, 85.5018



65.8752, 76.7609, 70.3794

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.



55.6839, 66.6741, 71.7668



70.4193, 66.6741, 85.5018



59.6867, 66.6741, 54.1205

Square

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



70.4193, 66.6741, 85.5018



67.7307, 66.6741, 54.8084



56.8108, 66.6741, 61.0603



59.2039, 66.6741, 93.8694

Rectangle

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



70.4193, 66.6741, 85.5018



71.3199, 66.6741, 65.7497



56.8108, 66.6741, 61.0603



56.0372, 66.6741, 79.9034

Sweetspot

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



70.4213, 66.6770, 85.5032



91.7234, 93.6004, 107.0090



62.2070, 62.3927, 87.3627



19.5028, 19.7849, 22.8297



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.



70.4213, 66.6770, 85.5032



82.7578, 76.4227, 101.6981



68.3696, 65.8563, 74.6995



15.6483, 15.2872, 18.6992



25.7259, 12.4930, 35.9533



2.0384, 0.9883, 2.9195

Inverse Universe

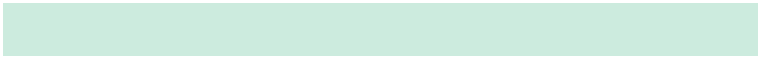
The Inverse Universe completely reimagines the original color for something new.



70.4213, 66.6770, 85.5032



82.7578, 76.4227, 101.6981



67.8085, 77.5342, 80.5597



15.6483, 15.2872, 18.6992



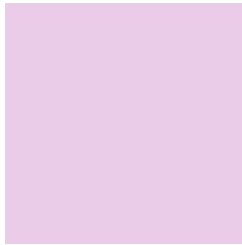
25.7259, 12.4930, 35.9533



2.0384, 0.9883, 2.9195

Previews

White Background



This preview shows how the XYZ color 70.4193, 66.6741, 85.5018 looks on a white background.

Color Contrast Check

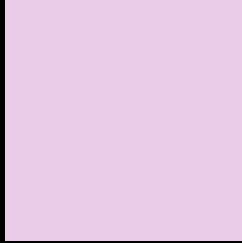
Large Text (above 18pt) WCAG AA × Fail

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 70.4193, 66.6741, 85.5018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

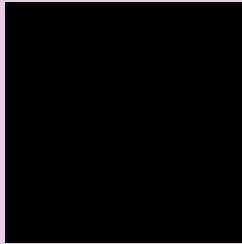
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.4193, 66.6741, 85.5018

Background



This preview shows how black text looks on a background with the XYZ color 70.4193, 66.6741, 85.5018.



This preview shows how white text looks on a background with the XYZ color 70.4193, 66.6741,

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

70.4193, 66.6741, 85.5018

Protanopia

65.4079, 66.9030, 89.5870

Deuteranopia

68.1007, 66.5639, 84.8601



Tritanopia

69.1878, 66.9090, 78.3754

Trichromacy



Original Color

70.4193, 66.6741, 85.5018

Protanomaly

67.0093, 66.6592, 87.9320

Deuteranomaly

68.8082, 66.5701, 84.8240

Tritanomaly

69.4905, 66.6461, 81.1529

Monochromacy



Original Color

70.4193, 66.6741, 85.5018

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

67.1597, 68.0489, 78.7023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4193, 66.6741, 85.5018 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(235, 204, 232)` looks like.

```
.text, #text, p{  
    color:rgb(235, 204, 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(235, 204, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 204, 232) }
```

Border

The CSS property to change the border of an element to XYZ 70.4193, 66.6741, 85.5018 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(235, 204, 232) }
```


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

```
.border{ border-color:rgb(235, 204, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 204, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 204, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 204, 232);  
box-shadow:4px 4px 4px 4px rgb(235, 204,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4193, 66.6741, 85.5018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 204, 232) }
```

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

```
.background{ background-color: rgb(235,  
204, 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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