

Converting Colors

XYZ(70.7776, 66.7802, 85.8069)

Have a look what the booklet for
XYZ(70.7776, 66.7802, 85.8069)
contains.

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Color

**XYZ(70.7504, 66.8448,
85.5173)**

Conversions

Conversions Part 1

Format	Color
Hex	ECCCE8
RGB	236, 204, 232
RGB Percent	93%, 80%, 91%
CMY	0.0745, 0.2000, 0.0902
CMYK	0.00, 0.14, 0.02, 0.07
HSL	308°, 46%, 86%
HSV	308°, 14%, 93%
XYZ	70.7504, 66.8448, 85.5173
YIQ	216.7600, 10.0840, 15.4920

Conversions

Conversions Part 2

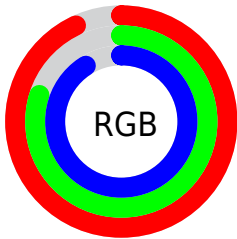
Format	Color
R _Y B	236, 204, 232
Decimal	15518952
CIE Lab	85.43, 15.96, -9.66
CIE LCh	85, 18.656, 328.829
Yxy	66.8448, 0.3171, 0.2996
Android (android.graphics.Color)	4293709032 (0xFFECCCE8)
YUV	216.7600, 7.5133, 16.8735
Hunter-Lab	81.7587, 11.3885, -4.7846

Details

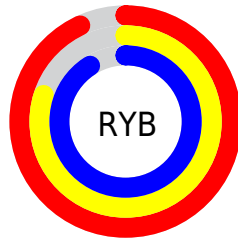
The XYZ color **70.7504, 66.8448, 85.5173** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.2850, 77.3842, 71.1211**, and the grayscale version is **65.7361, 69.1595, 75.3147**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5652, 34.6506, 45.7826** is the 20% darker color. If you saturate the color by 10%, you get **65.1457, 56.2995, 81.5993**, and if you desaturate by 10%, it is **77.2160, 79.0985, 89.7585**.

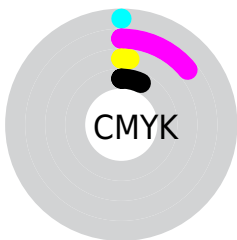
Distribution



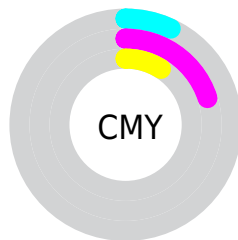
- Red (93%)
- Green (80%)
- Blue (91%)



- Red (93%)
- Yellow (80%)
- Blue (91%)



- Cyan (0%)
- Magenta (14%)
- Yellow (2%)
- Black (7%)





- Cyan (7%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7504, 66.8448, 85.5173 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 70.7504, 66.8448, 85.5173 by changing the saturation by 10% instead.


 70.7504, 66.8448,
85.5173

 70.7504, 66.8448,
85.5173


452.4058,
449.3921, 533.5274

 52.4203, 48.9585,
63.7163


119.2987,
114.6980, 142.9763

 37.5658, 34.5866,
45.9762


150.2476,
145.4337, 179.4713

 25.8216, 23.3446,
31.8785


186.1336,
181.2213, 221.7014

 16.8222, 14.8481,
21.0047

227.3219,
222.4453, 270.0852

 10.2023, 8.7129,
12.9361

274.1779,
269.4899, 325.0411

 5.5966, 4.5544,
7.2544

327.0670,

 2.6397, 1.9883,

322.7397, 386.9878

3.5408

386.3545,
382.5790, 456.3437

■ 0.9662, 0.6006,
1.3770

■ 0.0000, 0.0000,
0.1237

■ 70.7504, 66.8448,
85.5173

■ 70.7504, 66.8448,
85.5173

■ 65.1457, 56.2995,
81.5993

■ 77.2160, 79.0985,
89.7585

■ 60.3578, 47.3777,
77.9874

■ 84.5723, 93.1234,
94.3308

■ 56.3477, 40.0002,
74.6690

■ 86.2077, 95.6952,
97.0311

■ 53.0706, 34.0778,
71.6293

■ 86.6518, 95.8728,
99.3695

50.4775, 29.5122,
68.8516

87.1030, 96.0533,
101.7457

48.5130, 26.1928,
66.3173

87.5614, 96.2367,
104.1598

47.1132, 23.9920,
64.0049

88.0271, 96.4229,
106.6121

46.2004, 22.7542,
61.8884

88.4025, 96.5731,
108.5889

45.7936, 22.3135,
60.6029

Harmonies

Analogous

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



67.5372, 66.8448, 95.1560



70.7504, 66.8448, 85.5173



72.0176, 66.8448, 73.2597

Triad

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



70.7504, 66.8448, 85.5173



63.7003, 66.8448, 51.8894



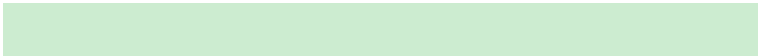
56.6716, 66.8448, 84.6025

Complementary

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



70.7504, 66.8448, 85.5173



66.2850, 77.3842, 71.1211

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.



55.7442, 66.8448, 72.3076



70.7504, 66.8448, 85.5173



59.6922, 66.8448, 54.2237

Square

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



70.7504, 66.8448, 85.5173



67.8375, 66.8448, 54.6158



56.8257, 66.8448, 61.3794



59.4164, 66.8448, 94.5880

Rectangle

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



70.7504, 66.8448, 85.5173



71.5473, 66.8448, 65.5206



56.8257, 66.8448, 61.3794



56.1425, 66.8448, 80.5624

Sweetspot

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



70.7524, 66.8477, 85.5187



91.6773, 93.5820, 106.7663



62.6736, 62.6165, 88.1409



19.4911, 19.7802, 22.7680



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.



70.7524, 66.8477, 85.5187



82.5767, 76.3502, 100.7445



68.6164, 65.9933, 74.2708



15.6290, 15.2795, 18.5978



25.2752, 12.3128, 33.5800



2.0075, 0.9759, 2.7566

Inverse Universe

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



70.7524, 66.8477, 85.5187



82.5767, 76.3502, 100.7445



68.3180, 78.1973, 81.8265



15.6290, 15.2795, 18.5978



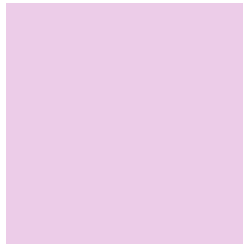
25.2752, 12.3128, 33.5800



2.0075, 0.9759, 2.7566

Previews

White Background



This preview shows how the XYZ color 70.7504, 66.8448, 85.5173 looks on a white background.

Color Contrast Check

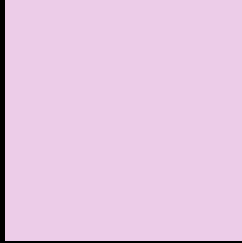
Large Text (above 18pt) WCAG AA × Fail

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 70.7504, 66.8448, 85.5173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

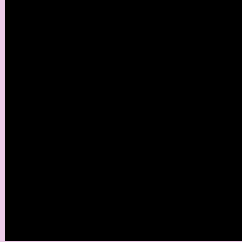
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.7504, 66.8448, 85.5173

Background



This preview shows how black text looks on a background with the XYZ color 70.7504, 66.8448, 85.5173.



This preview shows how white text looks on a background with the XYZ color 70.7504, 66.8448,

85.5173.

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

70.7504, 66.8448, 85.5173

Protanopia

65.6935, 67.0503, 89.6003

Deuteranopia

68.3437, 67.0500, 84.9412



Tritanopia

69.5171, 67.0787, 78.3908

Trichromacy



Original Color

70.7504, 66.8448, 85.5173

Protanomaly

67.3111, 66.8147, 87.9461

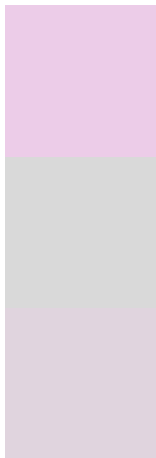
Deuteranomaly

69.3698, 67.2182, 84.9195

Tritanomaly

69.8197, 66.8158, 81.1683

Monochromacy



Original Color

70.7504, 66.8448, 85.5173

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

67.4688, 68.2082, 78.7168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7504, 66.8448, 85.5173 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, 204, 232)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 204, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 204, 232) }
```

Border

The CSS property to change the border of an element to XYZ 70.7504, 66.8448, 85.5173 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, 204, 232) }
```


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

```
.border{ border-color:rgb(236, 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(236, 204, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 204, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 204, 232);  
box-shadow:4px 4px 4px 4px rgb(236, 204,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7504, 66.8448, 85.5173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 204, 232) }
```

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

```
.background{ background-color: rgb(236,  
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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