

Converting Colors

XYZ(70.4384, 63.8347, 98.2411)

Have a look what the booklet for
XYZ(70.4384, 63.8347, 98.2411)
contains.

XYZ(70.6694, 64.0957, 98.2696)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.6694, 64.0957,
98.2696)**

Conversions

Conversions Part 1

Format	Color
Hex	E9C5F9
RGB	233, 197, 249
RGB Percent	91%, 77%, 98%
CMY	0.0863, 0.2274, 0.0235
CMYK	0.06, 0.21, 0.00, 0.02
HSL	282°, 81%, 87%
HSV	282°, 21%, 98%
XYZ	70.6694, 64.0957, 98.2696
YIQ	213.6920, 4.7640, 23.8040

Conversions

Conversions Part 2

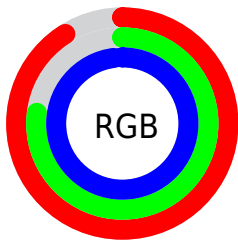
Format	Color
R _Y B	233, 197, 249
Decimal	15320569
CIE _{Lab}	84.02, 21.87, -20.84
CIE _{LCh}	84, 30.205, 316.380
Yxy	64.0957, 0.3033, 0.2750
Android (android.graphics.Color)	4293510649 (0xFFE9C5F9)
YUV	213.6920, 17.4068, 16.9331
Hunter-Lab	80.0598, 17.4587, -16.7338

Details

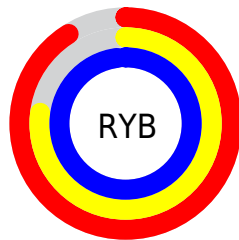
The XYZ color **70.6694, 64.0957, 98.2696** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.3966, 85.9304, 65.6497**, and the grayscale version is **63.5958, 66.9077, 72.8625**.

A 20% lighter version of the original color is **94.7318, 99.3636, 108.7939**, and **37.4684, 32.7978, 54.2250** is the 20% darker color. If you saturate the color by 10%, you get **63.0290, 52.4469, 96.4248**, and if you desaturate by 10%, it is **79.3561, 77.6735, 100.4335**.

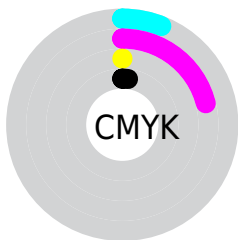
Distribution



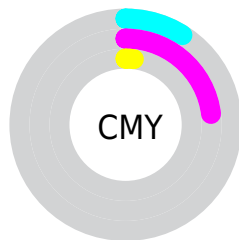
- Red (91%)
- Green (77%)
- Blue (98%)



- Red (91%)
- Yellow (77%)
- Blue (98%)



- Cyan (6%)
- Magenta (21%)
- Yellow (0%)
- Black (2%)



- Cyan (9%)
- Magenta (23%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6694, 64.0957, 98.2696 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 70.6694, 64.0957, 98.2696 by changing the saturation by 10% instead.

70.6694, 64.0957,
98.2696

70.6694, 64.0957,
98.2696

452.1267,
439.5351, 575.8297

52.3540, 46.7282,
74.2474

119.1839,
110.7487, 160.8083

37.5127, 32.8208,
54.4985

150.1138,
140.8031, 200.1618

25.7802, 21.9892,
38.6045

185.9792,
175.8551, 245.4628

16.7911, 13.8490,
26.1467

227.1455,
216.2893, 297.1299

10.1801, 8.0157,
16.7067

273.9781,
262.4900, 355.5816

5.5817, 4.1050,
9.8658

326.8422,

2.6306, 1.7325,

314.8416, 421.2365

5.2057

386.1033,
373.7285, 494.5130

■ 0.9616, 0.4445,
2.3076

■ 0.0000, 0.0000,
0.7355

■ 70.6694, 64.0957,
98.2696

■ 70.6694, 64.0957,
98.2696

■ 63.0290, 52.4469,
96.4248

■ 79.3561, 77.6735,
100.4335

■ 56.3820, 42.6267,
94.8797

■ 89.1273, 93.2582,
102.9267

■ 50.6791, 34.5377,
93.6189

■ 94.0991, 99.6196,
103.8925

■ 45.8644, 28.0700,
92.6243

■ 41.8755, 23.1011,
91.8754

■ 38.6409, 19.4900,
91.3489

■ 36.0754, 17.0685,
91.0167

■ 34.1964, 15.6536,
90.8427

Harmonies

Analogous

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



64.6041, 64.0957, 111.2184



70.6694, 64.0957, 98.2696



74.2330, 64.0957, 78.7862

Triad

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



70.6694, 64.0957, 98.2696



63.9864, 64.0957, 39.8704



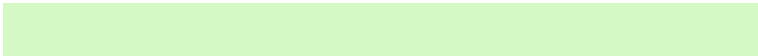
49.4428, 64.0957, 80.6509

Complementary

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



70.6694, 64.0957, 98.2696



71.3966, 85.9304, 65.6497

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.



49.3040, 64.0957, 61.5048



70.6694, 64.0957, 98.2696



57.3807, 64.0957, 40.1861

Square

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



70.6694, 64.0957, 98.2696



70.1889, 64.0957, 46.4645



52.1131, 64.0957, 47.4235



52.5072, 64.0957, 99.8474

Rectangle

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



70.6694, 64.0957, 98.2696



74.5537, 64.0957, 65.7928



52.1131, 64.0957, 47.4235



49.0606, 64.0957, 73.9445

Sweetspot

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



70.6714, 64.0984, 98.2710



88.6510, 89.7417, 107.2572



64.0392, 66.5362, 99.0911



18.8313, 18.9796, 22.9209



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.



70.6714, 64.0984, 98.2710



71.1232, 62.3183, 102.8878



74.6841, 66.3346, 90.8924



17.4429, 17.2410, 21.7938



18.4566, 8.4574, 48.6332



1.8177, 0.8391, 4.5093

Inverse Universe

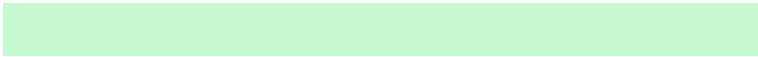
The Inverse Universe completely reimagines the original color for something new.



71.0456, 64.8791, 71.7322



71.6665, 63.3272, 69.9862



68.1094, 84.1056, 71.3799



17.4645, 17.3132, 19.0359



21.6773, 11.0866, 5.0089



2.0529, 1.0449, 0.7021

Previews

White Background



This preview shows how the XYZ color 70.6694, 64.0957, 98.2696 looks on a white background.

Color Contrast Check

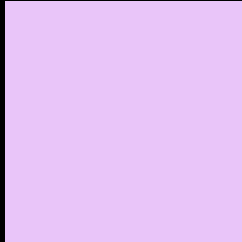
Large Text (above 18pt) WCAG AA × Fail

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 70.6694, 64.0957, 98.2696 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 70.6694, 64.0957, 98.2696

Background



This preview shows how black text looks on a background with the XYZ color 70.6694, 64.0957, 98.2696.

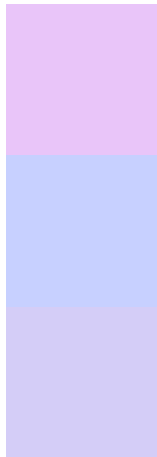


This preview shows how white text looks on a background with the XYZ color 70.6694, 64.0957,

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

70.6694, 64.0957, 98.2696

Protanopia

64.1591, 64.4739, 103.6709

Deuteranopia

65.7712, 64.3751, 96.9548



Tritanopia

65.7703, 63.7970, 75.1772

Trichromacy



Original Color

70.6694, 64.0957, 98.2696

Protanomaly

66.1865, 64.1265, 101.8177

Deuteranomaly

67.5790, 64.2340, 97.6435

Tritanomaly

67.4303, 63.7887, 82.8872

Monochromacy



Original Color

70.6694, 64.0957, 98.2696

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

66.2398, 66.0300, 81.9269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6694, 64.0957, 98.2696 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(233, 197, 249)` looks like.

```
.text, #text, p{  
    color:rgb(233, 197, 249)  
}
```

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(233, 197, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 197, 249) }
```

Border

The CSS property to change the border of an element to XYZ 70.6694, 64.0957, 98.2696 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(233, 197, 249) }
```


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

```
.border{ border-color:rgb(233, 197, 249) }
```

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

Here you see how a box with a 4 pixel rgb(233, 197, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 197, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 197, 249);  
box-shadow:4px 4px 4px 4px rgb(233, 197,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6694, 64.0957, 98.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 197, 249) }
```

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

```
.background{ background-color: rgb(233,  
197, 249) }
```

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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