

Converting Colors

XYZ(64.5110, 55.8525, 85.5118)

Have a look what the booklet for
XYZ(64.5110, 55.8525, 85.5118)
contains.

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Color

**XYZ(64.4513, 55.7388,
85.2036)**

Conversions

Conversions Part 1

Format	Color
Hex	E8B4EA
RGB	232, 180, 234
RGB Percent	91%, 71%, 92%
CMY	0.0902, 0.2941, 0.0823
CMYK	0.01, 0.23, 0.00, 0.08
HSL	298°, 56%, 81%
HSV	298°, 23%, 92%
XYZ	64.4513, 55.7388, 85.2036
YIQ	201.7040, 13.6580, 27.8180

Conversions

Conversions Part 2

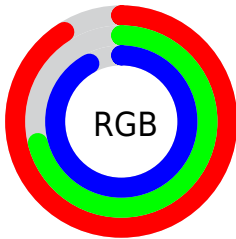
Format	Color
R _Y B	232, 180, 234
Decimal	15250666
CIE _L ab	79.46, 27.79, -19.71
CIE _L Ch	79, 34.065, 324.654
Yxy	55.7388, 0.3138, 0.2714
Android (android.graphics.Color)	4293440746 (0xFFE8B4EA)
YUV	201.7040, 15.9219, 26.5696
Hunter-Lab	74.6584, 23.4437, -15.4036

Details

The XYZ color **64.4513, 55.7388, 85.2036** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **56.9543, 72.0873, 54.0951**, and the grayscale version is **55.8541, 58.7629, 63.9928**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **33.5297, 27.6232, 45.6841** is the 20% darker color. If you saturate the color by 10%, you get **59.8404, 46.9325, 83.7477**, and if you desaturate by 10%, it is **69.8644, 66.1455, 86.9278**.

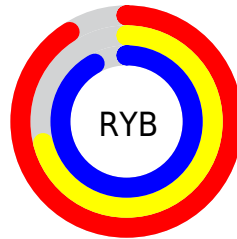
Distribution



Red (91%)

Green (71%)

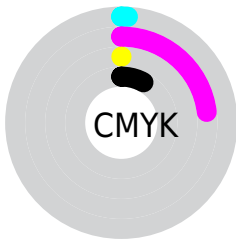
Blue (92%)



Red (91%)

Yellow (71%)

Blue (92%)

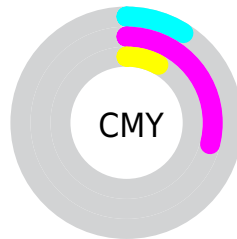


Cyan (1%)

Magenta (23%)

Yellow (0%)

Black (8%)



Cyan (9%)

Magenta (29%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4513, 55.7388, 85.2036 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 64.4513, 55.7388, 85.2036 by changing the saturation by 10% instead.

64.4513, 55.7388,
85.2036

64.4513, 55.7388,
85.2036

430.3940,
408.7064, 532.4637

47.2793, 39.9935,
63.4585

110.3307, 98.6226,
142.5343

33.4654, 27.5335,
45.7689

139.7689,
126.5299, 178.9570

22.6442, 17.9743,
31.7161

174.0266,
159.2600, 221.1092

14.4502, 10.9315,
20.8817

213.4690,
197.1973, 269.4097

8.5183, 6.0208,
12.8472

258.4616,
240.7262, 324.2768

4.4829, 2.8577,
7.1939

309.3697,

1.9788, 1.0579,

290.2311, 386.1291

3.5034

366.5588,
346.0963, 455.3853

■ 0.6220, 0.0000,
1.3571

■ 0.0000, 0.0000,
0.1079

■ 64.4513, 55.7388,
85.2036

■ 64.4513, 55.7388,
85.2036

■ 59.8404, 46.9325,
83.7477

■ 69.8644, 66.1455,
86.9278

■ 55.9866, 39.6393,
82.5430

■ 76.1119, 78.2198,
88.9291

■ 52.8481, 33.7747,
81.5765

■ 83.2302, 92.0338,
91.2203

■ 50.3769, 29.2428,
80.8320

■ 85.0269, 95.2024,
91.7372

48.5195, 25.9361,
80.2916

85.3145, 95.3506,
91.7507

47.2136, 23.7306,
79.9347

85.6034, 95.4996,
91.7642

46.3841, 22.4758,
79.7363

85.8937, 95.6493,
91.7778

46.0080, 22.0024,
79.6647

86.1854, 95.7996,
91.7914

86.4785, 95.9507,
91.8051

Harmonies

Analogous

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



58.6583, 55.7388, 101.7826



64.4513, 55.7388, 85.2036



67.1877, 55.7388, 64.2688

Triad

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



64.4513, 55.7388, 85.2036



54.2133, 55.7388, 30.3721



41.8972, 55.7388, 77.8049

Complementary

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



64.4513, 55.7388, 85.2036



56.9543, 72.0873, 54.0951

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.



40.9280, 55.7388, 57.2467



64.4513, 55.7388, 85.2036



47.6769, 55.7388, 32.4810

Square

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



64.4513, 55.7388, 85.2036



60.9601, 55.7388, 34.8506



42.9542, 55.7388, 41.3966



45.7251, 55.7388, 96.9071

Rectangle

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



64.4513, 55.7388, 85.2036



66.7542, 55.7388, 51.6475



42.9542, 55.7388, 41.3966



41.2409, 55.7388, 70.7310

Sweetspot

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



64.4530, 55.7412, 85.2048



89.3749, 89.0101, 107.0779



50.5477, 49.3898, 84.7117



19.0304, 18.8594, 22.8872



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.



64.4530, 55.7412, 85.2048



75.3816, 62.0971, 102.6206



61.8502, 54.7755, 68.0917



15.6565, 15.2837, 19.0471



25.8785, 12.3768, 44.7680



2.0493, 0.9808, 3.5162

Inverse Universe

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



58.6982, 53.5147, 51.4939



67.1864, 58.9306, 54.4239



59.1822, 72.9243, 68.2742



15.0881, 15.0631, 15.7491



19.1045, 9.8445, 1.0858



1.5081, 0.7762, 0.1273

Previews

White Background



This preview shows how the XYZ color 64.4513, 55.7388, 85.2036 looks on a white background.

Color Contrast Check

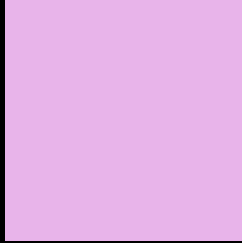
Large Text (above 18pt) WCAG AA × Fail

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 64.4513, 55.7388, 85.2036 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 64.4513, 55.7388, 85.2036

Background



This preview shows how black text looks on a background with the XYZ color 64.4513, 55.7388, 85.2036.



This preview shows how white text looks on a background with the XYZ color 64.4513, 55.7388,

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

64.4513, 55.7388, 85.2036

Protanopia

56.0939, 56.0010, 93.4408

Deuteranopia

57.2345, 55.8048, 84.0988



Tritanopia

59.7801, 55.6658, 62.8522

Trichromacy



Original Color

64.4513, 55.7388, 85.2036



Protanomaly

58.7702, 55.8147, 90.1139



Deuteranomaly

59.8426, 55.8467, 84.7162



Tritanomaly

61.4638, 55.7431, 70.4708

Monochromacy



Original Color

64.4513, 55.7388, 85.2036



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

58.8700, 57.5847, 71.6305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4513, 55.7388, 85.2036 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(232, 180, 234)` looks like.

```
.text, #text, p{  
    color:rgb(232, 180, 234)  
}
```

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(232, 180, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 180, 234) }
```

Border

The CSS property to change the border of an element to XYZ 64.4513, 55.7388, 85.2036 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(232, 180, 234) }
```


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

```
.border{ border-color:rgb(232, 180, 234) }
```

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

Here you see how a box with a 4 pixel rgb(232, 180, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 180, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 180, 234);  
box-shadow:4px 4px 4px 4px rgb(232, 180,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4513, 55.7388, 85.2036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 180, 234) }
```

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

```
.background{ background-color: rgb(232,  
180, 234) }
```

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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