

Converting Colors

XYZ(64.2985, 55.9346, 78.4047)

Have a look what the booklet for
XYZ(64.2985, 55.9346, 78.4047)
contains.

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Color

**XYZ(64.1728, 55.7409,
78.6110)**

Conversions

Conversions Part 1

Format	Color
Hex	EBB4E1
RGB	235, 180, 225
RGB Percent	92%, 71%, 88%
CMY	0.0784, 0.2941, 0.1176
CMYK	0.00, 0.23, 0.04, 0.08
HSL	311°, 58%, 81%
HSV	311°, 23%, 92%
XYZ	64.1728, 55.7409, 78.6110
YIQ	201.5750, 18.3350, 25.6550

Conversions

Conversions Part 2

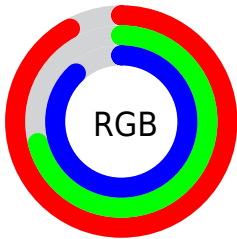
Format	Color
R _Y B	235, 180, 225
Decimal	15447265
CIE Lab	79.47, 27.15, -14.82
CIE LCh	79, 30.931, 331.364
Yxy	55.7409, 0.3232, 0.2808
Android (android.graphics.Color)	4293637345 (0xFFE8B4E1)
YUV	201.5750, 11.5485, 29.3137
Hunter-Lab	74.6598, 22.7725, -10.1659

Details

The XYZ color **64.1728, 55.7409, 78.6110** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **57.8272, 72.8393, 59.7299**, and the grayscale version is **55.7982, 58.7040, 63.9287**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **33.4355, 27.6647, 41.6078** is the 20% darker color. If you saturate the color by 10%, you get **59.2497, 46.8152, 74.1302**, and if you desaturate by 10%, it is **69.9181, 66.2859, 83.4391**.

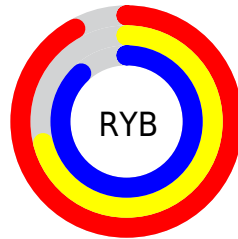
Distribution



Red (92%)

Green (71%)

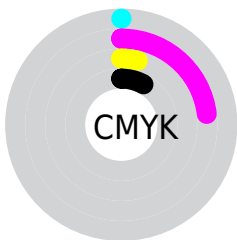
Blue (88%)



Red (92%)

Yellow (71%)

Blue (88%)

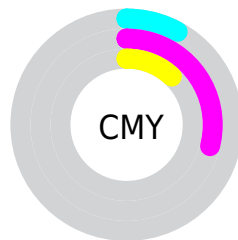


Cyan (0%)

Magenta (23%)

Yellow (4%)

Black (8%)



Cyan (8%)

Magenta (29%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1728, 55.7409, 78.6110 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 64.1728, 55.7409, 78.6110 by changing the saturation by 10% instead.

64.1728, 55.7409,
78.6110

64.1728, 55.7409,
78.6110

429.4057,
408.7143, 509.8222

47.0528, 39.9952,
58.0566

109.9321, 98.6256,
133.2048

33.2856, 27.5348,
41.4392

139.3022,
126.5335, 168.0812

22.5056, 17.9753,
28.3401

173.4863,
159.2642, 208.5688

14.3475, 10.9323,
18.3409

212.8499,
197.2022, 255.0860

8.4461, 6.0213,
11.0231

257.7583,
240.7318, 308.0514

4.4359, 2.8580,
5.9680

308.5768,

1.9516, 1.0581,

290.2374, 367.8836

2.7571

365.6708,
346.1034, 435.0010

■ 0.6065, 0.0000,
0.9720

■ 0.0000, 0.0000,
0.0000

■ 64.1728, 55.7409,
78.6110

■ 64.1728, 55.7409,
78.6110

■ 59.2497, 46.8152,
74.1302

■ 69.9181, 66.2859,
83.4391

■ 55.1032, 39.4203,
69.9792

■ 76.5183, 78.5181,
88.6240

■ 51.6907, 33.4704,
66.1437

■ 84.0106, 92.5108,
94.1793

■ 48.9635, 28.8683,
62.6071

■ 86.0625, 95.5988,
97.9946

46.8670, 25.5049,
59.3506

86.7123, 95.8588,
101.4166

45.3380, 23.2541,
56.3527

87.3772, 96.1247,
104.9181

44.2998, 21.9626,
53.5871

88.0574, 96.3968,
108.4996

43.8058, 21.4801,
51.8635

88.0714, 96.4024,
108.5734

Harmonies

Analogous

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



59.4446, 55.7409, 94.8470



64.1728, 55.7409, 78.6110



65.8438, 55.7409, 59.8815

Triad

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



64.1728, 55.7409, 78.6110



52.6962, 55.7409, 32.5101



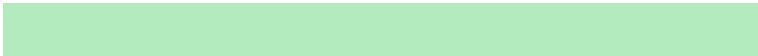
43.4194, 55.7409, 80.2992

Complementary

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



64.1728, 55.7409, 78.6110



57.8272, 72.8393, 59.7299

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.



41.9114, 55.7409, 61.5105



64.1728, 55.7409, 78.6110



47.0020, 55.7409, 35.9137

Square

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



64.1728, 55.7409, 78.6110



58.9143, 55.7409, 35.3426



43.1709, 55.7409, 45.7272



47.4583, 55.7409, 95.9481

Rectangle

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



64.1728, 55.7409, 78.6110



64.9032, 55.7409, 49.0617



43.1709, 55.7409, 45.7272



42.6146, 55.7409, 74.0296

Sweetspot

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



64.1745, 55.7434, 78.6122



89.0994, 88.9280, 104.3602



52.3467, 49.4836, 85.3906



18.9664, 18.8403, 22.2558



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.



64.1745, 55.7434, 78.6122



74.3271, 61.7869, 92.0264



60.8157, 54.3999, 60.9252



15.5905, 15.2640, 18.3947



24.4233, 11.9720, 29.0941



1.9484, 0.9523, 2.4456

Inverse Universe

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



64.1745, 55.7434, 78.6122



74.3271, 61.7869, 92.0264



61.0137, 74.1139, 76.5100



15.5905, 15.2640, 18.3947



24.4233, 11.9720, 29.0941



1.9484, 0.9523, 2.4456

Previews

White Background



This preview shows how the XYZ color 64.1728, 55.7409, 78.6110 looks on a white background.

Color Contrast Check

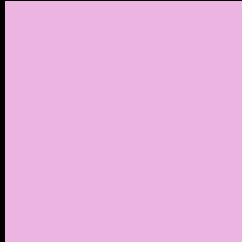
Large Text (above 18pt) WCAG AA × Fail

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 64.1728, 55.7409, 78.6110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

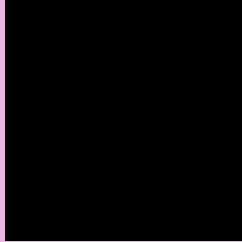
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1728, 55.7409, 78.6110

Background



This preview shows how black text looks on a background with the XYZ color 64.1728, 55.7409, 78.6110.



This preview shows how white text looks on a background with the XYZ color 64.1728, 55.7409,

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

64.1728, 55.7409, 78.6110

Protanopia

55.4968, 55.8472, 86.4519

Deuteranopia

57.0708, 55.8644, 77.5870



Tritanopia

60.9365, 55.9772, 61.6258

Trichromacy



Original Color

64.1728, 55.7409, 78.6110



Protanomaly

58.2909, 55.7182, 83.2837



Deuteranomaly

59.4621, 55.7953, 78.1566



Tritanomaly

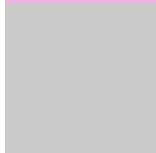
61.9229, 55.7447, 67.1706

Monochromacy



Original Color

64.1728, 55.7409, 78.6110



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

58.6562, 57.5329, 68.9862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1728, 55.7409, 78.6110 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, 180, 225)` looks like.

```
.text, #text, p{  
    color:rgb(235, 180, 225)  
}
```

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, 180, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 180, 225) }
```

Border

The CSS property to change the border of an element to XYZ 64.1728, 55.7409, 78.6110 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, 180, 225) }
```


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

```
.border{ border-color:rgb(235, 180, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 180, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 180, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 180, 225);  
box-shadow:4px 4px 4px 4px rgb(235, 180,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1728, 55.7409, 78.6110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 180, 225) }
```

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

```
.background{ background-color: rgb(235,  
180, 225) }
```

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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