

Converting Colors

XYZ(63.8767, 52.0567, 88.6229)

Have a look what the booklet for
XYZ(63.8767, 52.0567, 88.6229)
contains.

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Color

**XYZ(64.0289, 52.2701,
88.3758)**

Conversions

Conversions Part 1

Format	Color
Hex	EBA9EF
RGB	235, 169, 239
RGB Percent	92%, 66%, 94%
CMY	0.0784, 0.3372, 0.0627
CMYK	0.02, 0.29, 0.00, 0.06
HSL	297°, 69%, 80%
HSV	297°, 29%, 94%
XYZ	64.0289, 52.2701, 88.3758
YIQ	196.7140, 16.8660, 35.7620

Conversions

Conversions Part 2

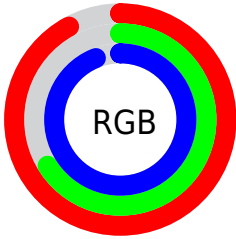
Format	Color
R _Y B	235, 169, 239
Decimal	15444463
CIE Lab	77.44, 35.54, -25.45
CIE LCh	77, 43.718, 324.392
Yxy	52.2701, 0.3128, 0.2554
Android (android.graphics.Color)	4293634543 (0xFFEBA9EF)
YUV	196.7140, 20.8470, 33.5768
Hunter-Lab	72.2981, 31.5623, -21.8663

Details

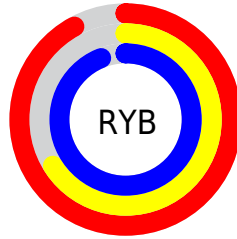
The XYZ color **64.0289, 52.2701, 88.3758** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.2633, 73.4831, 48.8097**, and the grayscale version is **52.7712, 55.5194, 60.4606**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **33.1527, 25.3747, 47.9502** is the 20% darker color. If you saturate the color by 10%, you get **59.5339, 43.9459, 87.0067**, and if you desaturate by 10%, it is **69.3433, 62.2259, 90.0181**.

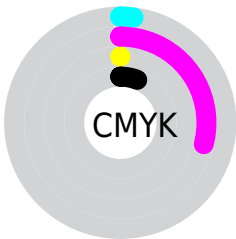
Distribution



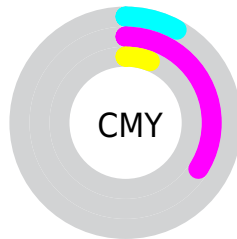
- Red (92%)
- Green (66%)
- Blue (94%)



- Red (92%)
- Yellow (66%)
- Blue (94%)



- Cyan (2%)
- Magenta (29%)
- Yellow (0%)
- Black (6%)



- Cyan (8%)
- Magenta (34%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0289, 52.2701, 88.3758 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 64.0289, 52.2701, 88.3758 by changing the saturation by 10% instead.

64.0289, 52.2701,
88.3758

64.0289, 52.2701,
88.3758

428.8946,
395.4785, 543.1663

46.9359, 37.2204,
66.0682

109.7261, 93.5295,
146.9960

33.1927, 25.3782,
47.8710

139.0609,
120.5079, 184.1457

22.4340, 16.3590,
33.3654

173.2070,
152.2314, 227.0798

14.2946, 9.7786,
22.1331

212.5298,
189.0844, 276.2169

8.4089, 5.2524,
13.7555

257.3946,
231.4512, 331.9756

4.4117, 2.3961,
7.8140

308.1667,

1.9376, 0.8239,

279.7162, 394.7744

3.8901

365.2116,
334.2638, 465.0318

■ 0.5985, 0.0000,
1.5653

■ 0.0000, 0.0000,
0.2658

■ 64.0289, 52.2701,
88.3758

■ 64.0289, 52.2701,
88.3758

■ 59.5339, 43.9459,
87.0067

■ 69.3433, 62.2259,
90.0181

■ 55.8090, 37.1578,
85.8928

■ 75.5131, 73.8884,
91.9440

■ 52.8074, 31.8110,
85.0190

■ 82.5782, 87.3363,
94.1674

■ 50.4748, 27.7974,
84.3672

■ 87.4330, 96.3586,
95.6530

48.7497, 24.9935,
83.9170

87.8996, 96.5992,
95.6748

47.5589, 23.2532,
83.6438

88.3697, 96.8415,
95.6968

46.7881, 22.3478,
83.5097

88.8432, 97.0856,
95.7190

46.7392, 22.2951,
83.5021

89.3203, 97.3316,
95.7413

89.8009, 97.5793,
95.7638

Harmonies

Analogous

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



56.6662, 52.2701, 110.3970



64.0289, 52.2701, 88.3758



67.5834, 52.2701, 61.5619

Triad

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



64.0289, 52.2701, 88.3758



51.2789, 52.2701, 22.1347



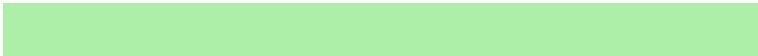
36.3559, 52.2701, 78.2718

Complementary

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



64.0289, 52.2701, 88.3758



55.2633, 73.4831, 48.8097

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.



35.2574, 52.2701, 52.5048



64.0289, 52.2701, 88.3758



43.2951, 52.2701, 24.2862

Square

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



64.0289, 52.2701, 88.3758



59.7082, 52.2701, 26.9438



37.6549, 52.2701, 33.9749



40.8447, 52.2701, 103.5038

Rectangle

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



64.0289, 52.2701, 88.3758



67.0565, 52.2701, 46.1564



37.6549, 52.2701, 33.9749



35.6009, 52.2701, 69.2236

Sweetspot

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



64.0306, 52.2724, 88.3769



87.6799, 85.9735, 106.5811



47.0161, 44.8130, 87.8339



18.5293, 17.9508, 22.7382



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.



64.0306, 52.2724, 88.3769



71.0295, 54.7072, 101.4236



61.2536, 51.3159, 66.7838



16.3598, 15.9827, 19.9443



25.8677, 12.3407, 46.1465



2.1789, 1.0405, 3.8402

Inverse Universe

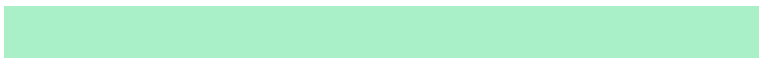
The Inverse Universe completely reimagines the original color for something new.



57.3292, 49.7461, 46.1179



62.1672, 51.3762, 45.0929



57.5781, 74.3084, 65.5463



15.8094, 15.7735, 16.5526



19.7290, 10.1640, 1.2234



1.6540, 0.8507, 0.1691

Previews

White Background



This preview shows how the XYZ color 64.0289, 52.2701, 88.3758 looks on a white background.

Color Contrast Check

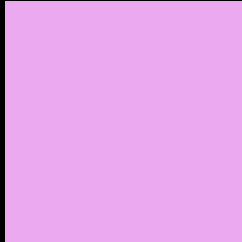
Large Text (above 18pt) WCAG AA × Fail

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 64.0289, 52.2701, 88.3758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

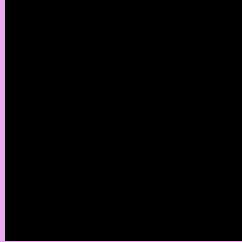
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.0289, 52.2701, 88.3758

Background



This preview shows how black text looks on a background with the XYZ color 64.0289, 52.2701, 88.3758.



This preview shows how white text looks on a background with the XYZ color 64.0289, 52.2701,

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

64.0289, 52.2701, 88.3758

Protanopia

53.5425, 52.5496, 101.0870

Deuteranopia

53.7177, 52.6560, 85.9297



Tritanopia

57.4297, 52.1405, 56.9064

Trichromacy



Original Color

64.0289, 52.2701, 88.3758



Protanomaly

56.5918, 52.0312, 96.6829



Deuteranomaly

56.8410, 52.0830, 86.4141



Tritanomaly

59.7936, 52.2523, 67.2558

Monochromacy



Original Color

64.0289, 52.2701, 88.3758



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

56.5180, 54.1430, 69.7592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0289, 52.2701, 88.3758 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, 169, 239)` looks like.

```
.text, #text, p{  
    color:rgb(235, 169, 239)  
}
```

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, 169, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 169, 239) }
```

Border

The CSS property to change the border of an element to XYZ 64.0289, 52.2701, 88.3758 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, 169, 239) }
```


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

```
.border{ border-color:rgb(235, 169, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 169, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 169, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 169, 239);  
box-shadow:4px 4px 4px 4px rgb(235, 169,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0289, 52.2701, 88.3758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 169, 239) }
```

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

```
.background{ background-color: rgb(235,  
169, 239) }
```

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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