

Converting Colors

XYZ(64.4961, 52.6065, 88.1688)

Have a look what the booklet for
XYZ(64.4961, 52.6065, 88.1688)
contains.

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Color

**XYZ(64.3600, 52.4408,
88.3913)**

Conversions

Conversions Part 1

Format	Color
Hex	ECA9EF
RGB	236, 169, 239
RGB Percent	93%, 66%, 94%
CMY	0.0745, 0.3372, 0.0627
CMYK	0.01, 0.29, 0.00, 0.06
HSL	297°, 69%, 80%
HSV	297°, 29%, 94%
XYZ	64.3600, 52.4408, 88.3913
YIQ	197.0130, 17.4620, 35.9740

Conversions

Conversions Part 2

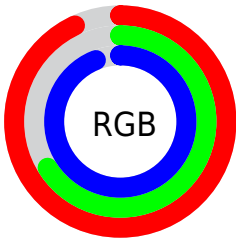
Format	Color
R _Y B	236, 169, 239
Decimal	15509999
CIE Lab	77.54, 35.86, -25.29
CIE LCh	78, 43.881, 324.807
Yxy	52.4408, 0.3137, 0.2556
Android (android.graphics.Color)	4293700079 (0xFFECA9EF)
YUV	197.0130, 20.6996, 34.1916
Hunter-Lab	72.4160, 31.9145, -21.6784

Details

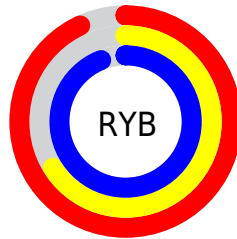
The XYZ color **64.3600, 52.4408, 88.3913** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.0430, 73.3696, 48.7994**, and the grayscale version is **52.9518, 55.7095, 60.6676**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **33.3830, 25.4934, 47.9610** is the 20% darker color. If you saturate the color by 10%, you get **59.9751, 44.1733, 87.0274**, and if you desaturate by 10%, it is **69.5628, 62.3391, 90.0284**.

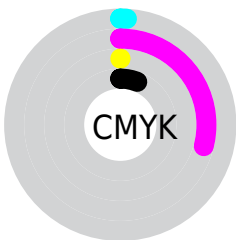
Distribution



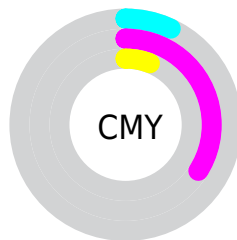
- Red (93%)
- Green (66%)
- Blue (94%)



- Red (93%)
- Yellow (66%)
- Blue (94%)



- Cyan (1%)
- Magenta (29%)
- Yellow (0%)
- Black (6%)



- Cyan (7%)
- Magenta (34%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3600, 52.4408, 88.3913 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 64.3600, 52.4408, 88.3913 by changing the saturation by 10% instead.

64.3600, 52.4408,
88.3913

64.3600, 52.4408,
88.3913

430.0702,
396.1360, 543.2183

47.2051, 37.3565,
66.0810

110.2001, 93.7810,
147.0177

33.4064, 25.4837,
47.8813

139.6159,
120.8057, 184.1709

22.5987, 16.4378,
33.3735

173.8495,
152.5794, 227.1089

14.4165, 9.8345,
22.1393

213.2661,
189.4865, 276.2501

8.4946, 5.2893,
13.7600

258.2311,
231.9113, 332.0131

4.4675, 2.4180,
7.8171

309.1099,

1.9698, 0.8351,

280.2382, 394.8164

3.8920

366.2678,
334.8516, 465.0786

■ 0.6169, 0.0000,
1.5663

■ 0.0000, 0.0000,
0.2666

■ 64.3600, 52.4408,
88.3913

■ 64.3600, 52.4408,
88.3913

■ 59.9751, 44.1733,
87.0274

■ 69.5628, 62.3391,
90.0284

■ 56.3588, 37.4412,
85.9186

■ 75.6195, 73.9433,
91.9490

■ 53.4642, 32.1496,
85.0497

■ 82.5700, 87.3321,
94.1670

■ 51.2372, 28.1904,
84.4029

■ 87.3087, 96.2945,
95.6472

49.6162, 25.4402,
83.9575

87.6576, 96.4744,
95.6635

48.5279, 23.7527,
83.6891

88.0084, 96.6552,
95.6799

47.8582, 22.8995,
83.5598

88.3612, 96.8371,
95.6964

47.8165, 22.8505,
83.5525

88.7160, 97.0200,
95.7130

89.0728, 97.2040,
95.7297

Harmonies

Analogous

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



56.9876, 52.4408, 110.7122



64.3600, 52.4408, 88.3913



67.8699, 52.4408, 61.4221

Triad

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



64.3600, 52.4408, 88.3913



51.3309, 52.4408, 22.1253



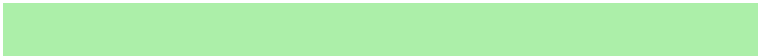
36.4829, 52.4408, 78.9701

Complementary

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



64.3600, 52.4408, 88.3913



55.0430, 73.3696, 48.7994

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.



35.3300, 52.4408, 52.9838



64.3600, 52.4408, 88.3913



43.3227, 52.4408, 24.3820

Square

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



64.3600, 52.4408, 88.3913



59.8228, 52.4408, 26.8531



37.6923, 52.4408, 34.2306



41.0405, 52.4408, 104.2817

Rectangle

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



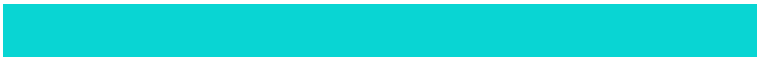
64.3600, 52.4408, 88.3913



67.2897, 52.4408, 45.9974



37.6923, 52.4408, 34.2306



35.7078, 52.4408, 69.8572

Sweetspot

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



64.3617, 52.4431, 88.3924



87.7998, 86.0353, 106.5867



46.7923, 44.3653, 87.7593



18.5591, 17.9662, 22.7396



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.



64.3617, 52.4431, 88.3924



71.4877, 54.9435, 101.4451



61.1100, 51.2584, 66.0274



16.3834, 15.9949, 19.9454



26.4539, 12.6429, 46.1739



2.2213, 1.0624, 3.8422

Inverse Universe

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



57.2327, 49.7075, 45.6102



62.0463, 51.3278, 44.4566



57.7144, 74.3629, 66.2641



15.8002, 15.7698, 16.5043



19.7146, 10.1583, 1.1476



1.6497, 0.8489, 0.1459

Previews

White Background



This preview shows how the XYZ color 64.3600, 52.4408, 88.3913 looks on a white background.

Color Contrast Check

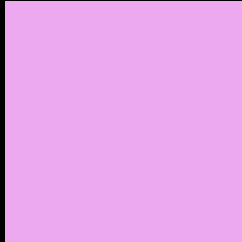
Large Text (above 18pt) WCAG AA × Fail

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 64.3600, 52.4408, 88.3913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

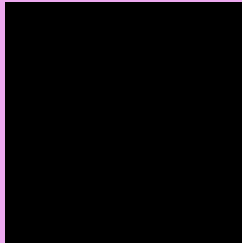
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.3600, 52.4408, 88.3913

Background



This preview shows how black text looks on a background with the XYZ color 64.3600, 52.4408, 88.3913.



This preview shows how white text looks on a background with the XYZ color 64.3600, 52.4408,

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

64.3600, 52.4408, 88.3913

Protanopia

53.7584, 52.9813, 101.1590

Deuteranopia

53.9649, 52.7834, 85.9412



Tritanopia

58.0679, 52.4696, 56.9363

Trichromacy



Original Color

64.3600, 52.4408, 88.3913



Protanomaly

56.8528, 52.1658, 96.6951



Deuteranomaly

57.1178, 52.2257, 86.4270



Tritanomaly

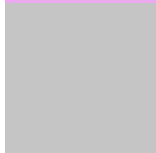
60.1173, 52.4192, 67.2710

Monochromacy



Original Color

64.3600, 52.4408, 88.3913



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 64.3600, 52.4408, 88.3913 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, 169, 239)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 169, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 169, 239) }
```

Border

The CSS property to change the border of an element to XYZ 64.3600, 52.4408, 88.3913 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, 169, 239) }
```


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

```
.border{ border-color:rgb(236, 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(236, 169, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 169, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 169, 239); box-shadow:4px 4px 4px 4px rgb(236, 169, 239) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3600, 52.4408, 88.3913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 169, 239) }
```

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

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