

Converting Colors

XYZ(63.7361, 52.1367, 87.5973)

Have a look what the booklet for
XYZ(63.7361, 52.1367, 87.5973)
contains.

XYZ(63.8815, 52.2111, 87.5998)	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(63.8815, 52.2111,
87.5998)**

Conversions

Conversions Part 1

Format	Color
Hex	EBA9EE
RGB	235, 169, 238
RGB Percent	92%, 66%, 93%
CMY	0.0784, 0.3372, 0.0667
CMYK	0.01, 0.29, 0.00, 0.07
HSL	297°, 67%, 80%
HSV	297°, 29%, 93%
XYZ	63.8815, 52.2111, 87.5998
YIQ	196.6000, 17.1870, 35.4510

Conversions

Conversions Part 2

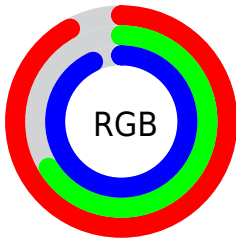
Format	Color
R _Y B	235, 169, 238
Decimal	15444462
CIE Lab	77.41, 35.36, -24.97
CIE LCh	77, 43.285, 324.774
Yxy	52.2111, 0.3136, 0.2563
Android (android.graphics.Color)	4293634542 (0xFFEBA9EE)
YUV	196.6000, 20.4102, 33.6768
Hunter-Lab	72.2572, 31.3589, -21.2991

Details

The XYZ color **63.8815, 52.2111, 87.5998** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.7510, 72.7856, 48.7020**, and the grayscale version is **52.7050, 55.4497, 60.3848**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **33.0490, 25.3332, 47.4039** is the 20% darker color. If you saturate the color by 10%, you get **59.5103, 43.9734, 86.2409**, and if you desaturate by 10%, it is **69.0638, 62.0660, 89.2296**.

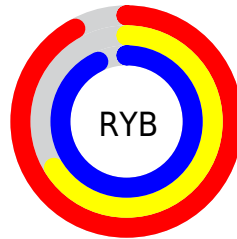
Distribution



Red (92%)

Green (66%)

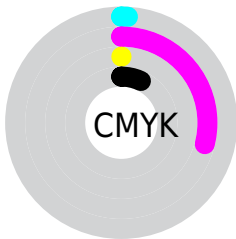
Blue (93%)



Red (92%)

Yellow (66%)

Blue (93%)

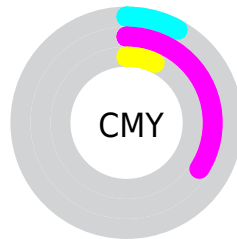


Cyan (1%)

Magenta (29%)

Yellow (0%)

Black (7%)



Cyan (8%)


Magenta (34%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8815, 52.2111, 87.5998 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 63.8815, 52.2111, 87.5998 by changing the saturation by 10% instead.


 63.8815, 52.2111,
87.5998

 63.8815, 52.2111,
87.5998


428.3706,
395.2510, 540.5591

 46.8160, 37.1734,
65.4292

 109.5149, 93.4425,
145.9061

 33.0976, 25.3417,
47.3557

138.8136,
120.4049, 182.8789

 22.3608, 16.3319,
32.9605


172.9208,
152.1111, 225.6229

 14.2403, 9.7593,
21.8254

212.2017,
188.9453, 274.5566

 8.3708, 5.2396,
13.5315

257.0218,
231.2920, 330.0985

 4.3869, 2.3886,
7.6606

307.7464,

 1.9233, 0.8200,

279.5356, 392.6672

3.7939

364.7409,
334.0605, 462.6812

■ 0.5903, 0.0000,
1.5130

■ 0.0000, 0.0000,
0.2276

■ 63.8815, 52.2111,
87.5998

■ 63.8815, 52.2111,
87.5998

■ 59.5103, 43.9734,
86.2409

■ 69.0638, 62.0660,
89.2296

■ 55.9016, 37.2587,
85.1350

■ 75.0927, 73.6123,
91.1405

■ 53.0090, 31.9734,
84.2673

■ 82.0077, 86.9277,
93.3462

■ 50.7793, 28.0107,
83.6200

■ 86.8368, 96.0683,
94.8560

49.1516, 25.2493,
83.1728

87.1874, 96.2490,
94.8724

48.0539, 23.5450,
82.9017

87.5400, 96.4308,
94.8889

47.3773, 22.6799,
82.7703

87.8946, 96.6136,
94.9055

47.3181, 22.6106,
82.7601

88.2513, 96.7975,
94.9222

88.6099, 96.9824,
94.9390

Harmonies

Analogous

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



56.6386, 52.2111, 109.4521



63.8815, 52.2111, 87.5998



67.3314, 52.2111, 61.1275

Triad

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



63.8815, 52.2111, 87.5998



51.0973, 52.2111, 22.3290



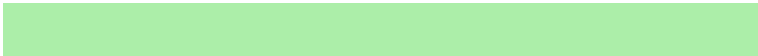
36.4650, 52.2111, 78.3015

Complementary

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



63.8815, 52.2111, 87.5998



54.7510, 72.7856, 48.7020

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.



35.3317, 52.2111, 52.7750



63.8815, 52.2111, 87.5998



43.2158, 52.2111, 24.5597

Square

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



63.8815, 52.2111, 87.5998



59.4415, 52.2111, 27.0239



37.6651, 52.2111, 34.2962



40.9537, 52.2111, 103.1164

Rectangle

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



63.8815, 52.2111, 87.5998



66.7660, 52.2111, 45.9429



37.6651, 52.2111, 34.2962



35.7018, 52.2111, 69.3574

Sweetspot

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



63.8832, 52.2134, 87.6009



87.7946, 86.0326, 106.5864



46.6353, 44.2872, 86.9801



18.5578, 17.9655, 22.7395



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.



63.8832, 52.2134, 87.6009



71.4677, 54.9331, 101.4441



60.7059, 51.0579, 65.6569



16.3824, 15.9944, 19.9454



26.4281, 12.6296, 46.1727



2.2195, 1.0614, 3.8421

Inverse Universe

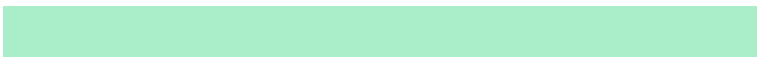
The Inverse Universe completely reimagines the original color for something new.



56.8960, 49.5339, 45.5943



62.0516, 51.3299, 44.4842



57.3697, 73.7579, 65.8892



15.8006, 15.7700, 16.5064



19.7152, 10.1585, 1.1509



1.6498, 0.8490, 0.1469

Previews

White Background



This preview shows how the XYZ color 63.8815, 52.2111, 87.5998 looks on a white background.

Color Contrast Check

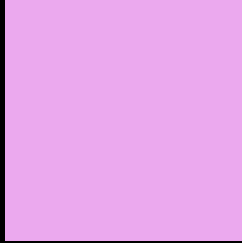
Large Text (above 18pt) WCAG AA × Fail

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 63.8815, 52.2111, 87.5998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

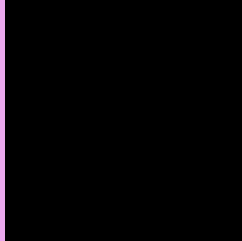
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8815, 52.2111, 87.5998

Background



This preview shows how black text looks on a background with the XYZ color 63.8815, 52.2111, 87.5998.



This preview shows how white text looks on a background with the XYZ color 63.8815, 52.2111,

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

63.8815, 52.2111, 87.5998

Protanopia

53.3828, 52.4857, 100.2457

Deuteranopia

53.7520, 52.3576, 85.8703



Tritanopia

57.7479, 52.3046, 56.9213

Trichromacy



Original Color

63.8815, 52.2111, 87.5998



Protanomaly

56.4362, 51.9690, 95.8634



Deuteranomaly

56.9152, 51.8205, 86.3595



Tritanomaly

59.7936, 52.2523, 67.2558

Monochromacy



Original Color

63.8815, 52.2111, 87.5998



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 63.8815, 52.2111, 87.5998 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(235, 169, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 169, 238) }
```

Border

The CSS property to change the border of an element to XYZ 63.8815, 52.2111, 87.5998 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, 238) }
```


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

```
.border{ border-color:rgb(235, 169, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 169, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 169, 238);  
box-shadow:4px 4px 4px 4px rgb(235, 169,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8815, 52.2111, 87.5998 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, 238) }
```

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

```
.background{ background-color: rgb(235,  
169, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor