

Converting Colors

XYZ(63.1163, 50.5696, 85.7000)

Have a look what the booklet for
XYZ(63.1163, 50.5696, 85.7000)
contains.

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Color

**XYZ(63.0079, 50.4399,
85.7719)**

Conversions

Conversions Part 1

Format	Color
Hex	ECA4EC
RGB	236, 164, 236
RGB Percent	93%, 64%, 93%
CMY	0.0745, 0.3568, 0.0745
CMYK	0.00, 0.31, 0.00, 0.07
HSL	300°, 65%, 78%
HSV	300°, 31%, 93%
XYZ	63.0079, 50.4399, 85.7719
YIQ	193.7360, 19.8000, 37.6560

Conversions

Conversions Part 2

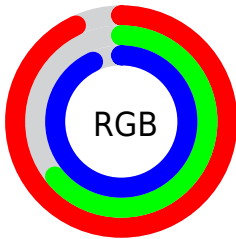
Format	Color
R _Y B	236, 164, 236
Decimal	15508716
CIE Lab	76.34, 37.96, -25.51
CIE LCh	76, 45.732, 326.101
Yxy	50.4399, 0.3163, 0.2532
Android (android.graphics.Color)	4293698796 (0xFFECA4EC)
YUV	193.7360, 20.8362, 37.0655
Hunter-Lab	71.0211, 34.0734, -21.8896

Details

The XYZ color **63.0079, 50.4399, 85.7719** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.0082, 70.5655, 46.0041**, and the grayscale version is **50.9962, 53.6520, 58.4270**.

A 20% lighter version of the original color is **84.8832, 79.6664, 105.5111**, and **32.5131, 24.2479, 46.1467** is the 20% darker color. If you saturate the color by 10%, you get **59.1705, 42.7641, 84.4931**, and if you desaturate by 10%, it is **67.6322, 59.6874, 87.3140**.

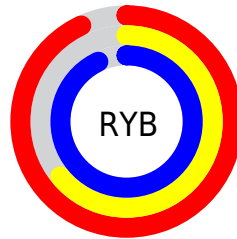
Distribution



Red (93%)

Green (64%)

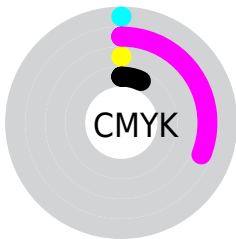
Blue (93%)



Red (93%)

Yellow (64%)

Blue (93%)

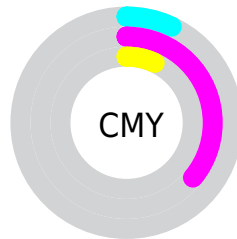


Cyan (0%)

Magenta (31%)

Yellow (0%)

Black (7%)



Cyan (7%)


Magenta (36%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0079, 50.4399, 85.7719 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 63.0079, 50.4399, 85.7719 by changing the saturation by 10% instead.


 63.0079, 50.4399,
85.7719

 63.0079, 50.4399,
85.7719


425.2574,
388.3837, 534.3898

 46.1063, 35.7631,
63.9256


 108.2627, 90.8263,
143.3349

 32.5347, 24.2513,
46.1446

 137.3465,
117.3047, 179.8886

 21.9277, 15.5201,
32.0104


171.2218,
148.4856, 222.1818

 13.9201, 9.1852,
21.1046

210.2539,
184.7536, 270.6331

 8.1465, 4.8622,
13.0085

254.8081,
226.4931, 325.6610

 4.2414, 2.1666,
7.3036

305.2499,

 1.8396, 0.7017,

274.0883, 387.6841

3.5714

361.9445,
327.9237, 457.1208

■ 0.5413, 0.0000,
1.3933

■ 0.0000, 0.0000,
0.1365

■ 63.0079, 50.4399,
85.7719

■ 63.0079, 50.4399,
85.7719

■ 59.1705, 42.7641,
84.4931

■ 67.6322, 59.6874,
87.3140

■ 56.0716, 36.5665,
83.4600

■ 73.0785, 70.5801,
89.1297

■ 53.6653, 31.7540,
82.6577

■ 79.3860, 83.1948,
91.2323

■ 51.8985, 28.2203,
82.0686

■ 85.4933, 95.4094,
93.2683

50.7101, 25.8436,
81.6723

85.4933, 95.4094,
93.2685

50.0276, 24.4787,
81.4446

85.4933, 95.4094,
93.2687

49.7329, 23.8893,
81.3462

85.4934, 95.4095,
93.2689

85.4934, 95.4095,
93.2691

85.4935, 95.4095,
93.2692

Harmonies

Analogous

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



55.5858, 50.4399, 109.3286



63.0079, 50.4399, 85.7719



66.3912, 50.4399, 58.2023

Triad

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



63.0079, 50.4399, 85.7719



49.0742, 50.4399, 19.9415



34.5799, 50.4399, 78.4847

Complementary

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



63.0079, 50.4399, 85.7719



52.0082, 70.5655, 46.0041

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.



33.2721, 50.4399, 51.7644



63.0079, 50.4399, 85.7719



41.0325, 50.4399, 22.4398

Square

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



63.0079, 50.4399, 85.7719



57.7618, 50.4399, 24.2590



35.4916, 50.4399, 32.5271



39.3027, 50.4399, 104.3141

Rectangle

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



63.0079, 50.4399, 85.7719



65.6363, 50.4399, 42.8130



35.4916, 50.4399, 32.5271



33.7525, 50.4399, 69.1191

Sweetspot

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



63.0095, 50.4421, 85.7730



88.1607, 86.2214, 106.6034



43.7279, 40.5021, 84.8712



18.6488, 18.0124, 22.7437



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.



63.0095, 50.4421, 85.7730



71.9736, 53.8475, 101.2071



58.2948, 48.5562, 60.9455



15.7149, 15.3138, 19.0498



27.4132, 13.1680, 44.8388



2.1526, 1.0340, 3.5209

Inverse Universe

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



63.0095, 50.4421, 85.7730



71.9736, 53.8475, 101.2071



55.7326, 72.0553, 65.6163



15.7149, 15.3138, 19.0498



27.4132, 13.1680, 44.8388



2.1526, 1.0340, 3.5209

Previews

White Background



This preview shows how the XYZ color 63.0079, 50.4399, 85.7719 looks on a white background.

Color Contrast Check

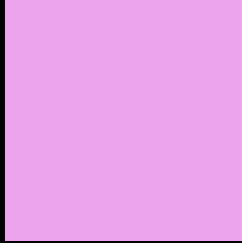
Large Text (above 18pt) WCAG AA × Fail

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 63.0079, 50.4399, 85.7719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

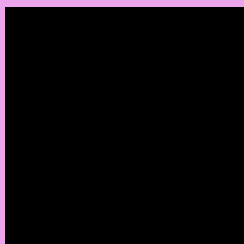
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.0079, 50.4399, 85.7719

Background



This preview shows how black text looks on a background with the XYZ color 63.0079, 50.4399, 85.7719.



This preview shows how white text looks on a background with the XYZ color 63.0079, 50.4399,

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

63.0079, 50.4399, 85.7719

Protanopia

51.7072, 50.6921, 99.1548

Deuteranopia

51.9220, 50.8384, 83.4201



Tritanopia

56.4188, 50.5180, 53.7911

Trichromacy



Original Color

63.0079, 50.4399, 85.7719



Protanomaly

54.8031, 49.9639, 93.9443



Deuteranomaly

55.3320, 50.1648, 83.8573



Tritanomaly

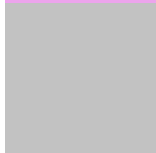
58.6729, 50.3130, 64.3766

Monochromacy



Original Color

63.0079, 50.4399, 85.7719



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

54.7366, 52.0257, 67.4786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0079, 50.4399, 85.7719 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, 164, 236)` looks like.

```
.text, #text, p{  
    color:rgb(236, 164, 236)  
}
```

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, 164, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 164, 236) }
```

Border

The CSS property to change the border of an element to XYZ 63.0079, 50.4399, 85.7719 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, 164, 236) }
```


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

```
.border{ border-color:rgb(236, 164, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 164, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 164, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 164, 236);  
box-shadow:4px 4px 4px 4px rgb(236, 164,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0079, 50.4399, 85.7719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 164, 236) }
```

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

```
.background{ background-color: rgb(236,  
164, 236) }
```

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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