

# Converting Colors

XYZ(63.0307, 50.1408, 87.8688)

Have a look what the booklet for  
XYZ(63.0307, 50.1408, 87.8688)  
contains.

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# Color

**XYZ(62.9381, 50.0885,  
88.0122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBA3EF
RGB	235, 163, 239
RGB Percent	92%, 64%, 94%
CMY	0.0784, 0.3608, 0.0627
CMYK	0.02, 0.32, 0.00, 0.06
HSL	297°, 70%, 79%
HSV	297°, 32%, 94%
XYZ	62.9381, 50.0885, 88.0122
YIQ	193.1920, 18.5160, 38.9000

# Conversions

## Conversions Part 2

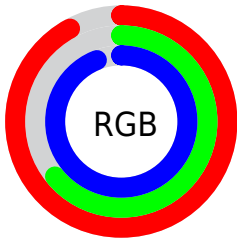
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 163, 239
Decimal	15442927
CIE Lab	76.12, 38.72, -27.47
CIE LCh	76, 47.478, 324.647
Yxy	50.0885, 0.3131, 0.2491
Android (android.graphics.Color)	4293633007 (0xFFEBA3EF)
YUV	193.1920, 22.5833, 36.6656
Hunter-Lab	70.7732, 34.8856, -24.1906

# Details

The XYZ color **62.9381, 50.0885, 88.0122** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.4154, 72.5941, 45.8495**, and the grayscale version is **50.6665, 53.3051, 58.0493**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **32.4833, 24.0357, 47.7271** is the 20% darker color. If you saturate the color by 10%, you get **58.6756, 42.1768, 86.7105**, and if you desaturate by 10%, it is **68.0086, 59.6098, 89.5835**.

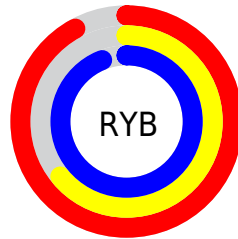
# Distribution



Red (92%)

Green (64%)

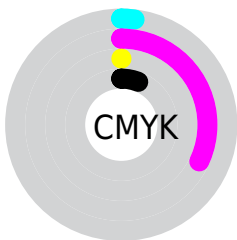
Blue (94%)



Red (92%)

Yellow (64%)

Blue (94%)

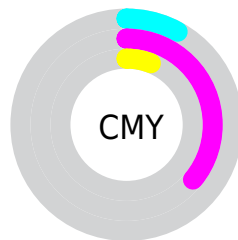


Cyan (2%)

Magenta (32%)

Yellow (0%)

Black (6%)



Cyan (8%)

Magenta (36%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9381, 50.0885, 88.0122 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 62.9381, 50.0885, 88.0122 by changing the saturation by 10% instead.





 62.9381, 50.0885,  
88.0122


 62.9381, 50.0885,  
88.0122


425.0080,  
387.0119, 541.9455

 46.0496, 35.4837,  
65.7688

 108.1625, 90.3060,  
146.4854

 32.4897, 24.0357,  
47.6294

 137.2291,  
116.6875, 183.5523

 21.8932, 15.3601,  
33.1756


171.0858,  
147.7634, 226.3974

 13.8946, 9.0725,  
21.9888

210.0980,  
183.9180, 275.4393

 8.1286, 4.7885,  
13.6504

254.6309,  
225.5357, 331.0966

 4.2299, 2.1237,  
7.7420

305.0500,

 1.8330, 0.6779,

273.0011, 393.7876

3.8449

361.7206,  
326.6983, 463.9311

■ 0.5374, 0.0000,  
1.5406

■ 0.0000, 0.0000,  
0.2479

■ 62.9381, 50.0885,  
88.0122

■ 62.9381, 50.0885,  
88.0122

■ 58.6756, 42.1768,  
86.7105

■ 68.0086, 59.6098,  
89.5835

■ 55.1710, 35.7776,  
85.6600


■ 73.9240, 70.8176,  
91.4350


■ 52.3761, 30.7934,  
84.8453

■ 80.7248, 83.7917,  
93.5808


■ 50.2351, 27.1128,  
84.2477


■ 87.2864, 96.2830,  
95.6461


 48.6840, 24.6075,  
83.8459


 87.7150, 96.5040,  
95.6661


 47.6457, 23.1235,  
83.6142

 88.1465, 96.7264,  
95.6863

 47.0771, 22.4693,  
83.5179

 88.5810, 96.9504,  
95.7067

 89.0185, 97.1760,  
95.7271

 89.4590, 97.4031,  
95.7478

# Harmonies

## Analogous

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



55.0903, 50.0885, 112.1594



62.9381, 50.0885, 88.0122



66.7145, 50.0885, 59.2285

# Triad

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



62.9381, 50.0885, 88.0122



49.2184, 50.0885, 18.8984



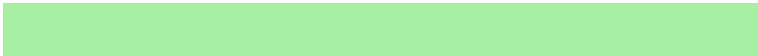
33.7122, 50.0885, 77.5819

# Complementary

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



62.9381, 50.0885, 88.0122



53.4154, 72.5941, 45.8495

# 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.



32.5489, 50.0885, 50.1017



62.9381, 50.0885, 88.0122



40.8352, 50.0885, 21.0697

# Square

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



62.9381, 50.0885, 88.0122



58.1878, 50.0885, 23.5835



34.9937, 50.0885, 30.8521



38.3946, 50.0885, 104.9420



# Rectangle

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



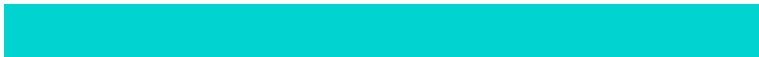
62.9381, 50.0885, 88.0122



66.1145, 50.0885, 43.0819



34.9937, 50.0885, 30.8521



32.9233, 50.0885, 67.8634

# Sweetspot

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



62.9397, 50.0907, 88.0133



86.9559, 84.5421, 106.3429



44.7013, 42.0508, 87.4227



18.3867, 17.6665, 22.6908



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.



62.9397, 50.0907, 88.0133



69.6826, 52.0135, 100.9747



59.8440, 49.0067, 64.7419



16.3673, 15.9866, 19.9447



26.0516, 12.4355, 46.1551



2.1922, 1.0474, 3.8408



# Inverse Universe

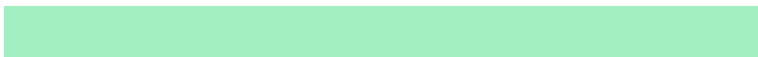
The Inverse Universe completely reimagines the original color for something new.



55.6705, 47.3373, 42.7642



60.1127, 48.3993, 40.9178



55.9287, 73.5033, 63.4265



15.8065, 15.7723, 16.5373



19.7244, 10.1622, 1.1994



1.6527, 0.8501, 0.1618



# Previews

## White Background



This preview shows how the XYZ color 62.9381, 50.0885, 88.0122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

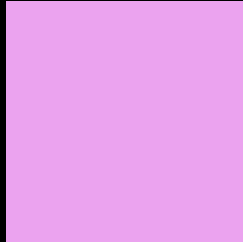
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.9381, 50.0885, 88.0122 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

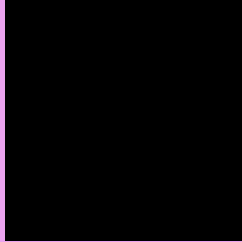
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.9381, 50.0885, 88.0122**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.9381, 50.0885, 88.0122.



This preview shows how white text looks on a background with the XYZ color 62.9381, 50.0885,



# 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

62.9381, 50.0885, 88.0122

### Protanopia

51.7574, 50.6626, 101.6587

### Deuteranopia

51.4273, 50.2242, 85.5810



## Tritanopia

55.9081, 49.9690, 53.7120

# Trichromacy



## Original Color

62.9381, 50.0885, 88.0122



## Protanomaly

54.7575, 49.8868, 96.3656



## Deuteranomaly

54.7531, 49.5243, 86.0302



## Tritanomaly

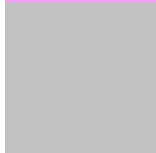
58.2835, 49.8211, 64.9371

# Monochromacy



## Original Color

62.9381, 50.0885, 88.0122



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

54.3732, 51.5189, 68.0511

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.9381, 50.0885, 88.0122 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, 163, 239)` looks like.

```
.text, #text, p{  
    color:rgb(235, 163, 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, 163, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 163, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 62.9381, 50.0885, 88.0122 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, 163, 239) }
```



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

```
.border{ border-color:rgb(235, 163, 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, 163, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 163, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 163, 239);  
box-shadow:4px 4px 4px 4px rgb(235, 163,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.9381, 50.0885, 88.0122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 163, 239) }
```

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

```
.background{ background-color: rgb(235,  
163, 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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