

# Converting Colors

XYZ(64.0219, 52.0901, 85.5055)

Have a look what the booklet for  
XYZ(64.0219, 52.0901, 85.5055)  
contains.

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# Color

**XYZ(63.9231, 52.0079,  
85.2667)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDA8EB
RGB	237, 168, 235
RGB Percent	93%, 66%, 92%
CMY	0.0706, 0.3412, 0.0784
CMYK	0.00, 0.29, 0.01, 0.07
HSL	302°, 66%, 79%
HSV	302°, 29%, 93%
XYZ	63.9231, 52.0079, 85.2667
YIQ	196.2690, 19.6170, 35.4650

# Conversions

## Conversions Part 2

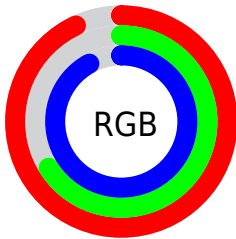
Format	Color
R <sub>YB</sub>	237, 168, 235
Decimal	15575275
CIE Lab	77.29, 35.98, -23.51
CIE LCh	77, 42.977, 326.836
Yxy	52.0079, 0.3177, 0.2585
Android (android.graphics.Color)	4293765355 (0xFFEDA8EB)
YUV	196.2690, 19.0944, 35.7211
Hunter-Lab	72.1165, 32.0161, -19.6198

# Details

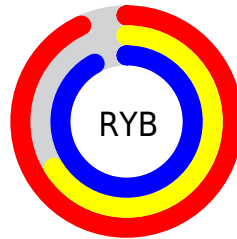
The XYZ color **63.9231, 52.0079, 85.2667** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.6905, 71.7972, 49.0615**, and the grayscale version is **52.5128, 55.2476, 60.1646**.

A 20% lighter version of the original color is **85.9457, 81.7913, 105.8652**, and **33.0898, 25.2194, 45.7716** is the 20% darker color. If you saturate the color by 10%, you get **59.8415, 44.0024, 83.4178**, and if you desaturate by 10%, it is **68.8057, 61.6128, 87.3856**.

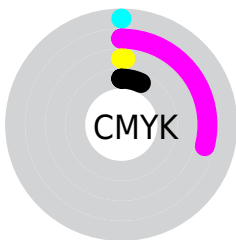
# Distribution



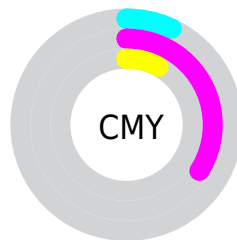
- Red (93%)
- Green (66%)
- Blue (92%)



- Red (93%)
- Yellow (66%)
- Blue (92%)



- Cyan (0%)
- Magenta (29%)
- Yellow (1%)
- Black (7%)




- Cyan (7%)
- Magenta (34%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9231, 52.0079, 85.2667 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 63.9231, 52.0079, 85.2667 by changing the saturation by 10% instead.




 63.9231, 52.0079,  
85.2667

 63.9231, 52.0079,  
85.2667


428.5185,  
394.4671, 532.6777

 46.8498, 37.0114,  
63.5104

 109.5745, 93.1429,  
142.6232

 33.1244, 25.2163,  
45.8106


 138.8834,  
120.0501, 179.0604

 22.3815, 16.2383,  
31.7488


173.0016,  
151.6964, 221.2284

 14.2556, 9.6929,  
20.9064

212.2943,  
188.4661, 269.5456

 8.3816, 5.1958,  
12.8651

257.1270,  
230.7437, 324.4306

 4.3939, 2.3626,  
7.2061

307.8651,

 1.9273, 0.8066,

278.9134, 386.3019

3.5109

364.8738,  
333.3598, 455.5781

■ 0.5926, 0.0000,  
1.3611

■ 0.0000, 0.0000,  
0.1111

■ 63.9231, 52.0079,  
85.2667

■ 63.9231, 52.0079,  
85.2667

■ 59.8415, 44.0024,  
83.4178

■ 68.8057, 61.6128,  
87.3856

■ 56.5127, 37.5028,  
81.8211

■ 74.5244, 72.8904,  
89.7846

■ 53.8908, 32.4163,  
80.4620

■ 81.1183, 85.9178,  
92.4772

■ 51.9230, 28.6373,  
79.3228

■ 86.0815, 95.6832,  
94.6281

50.5489, 26.0454,  
78.3834

86.1825, 95.7236,  
95.1602

49.6972, 24.4976,  
77.6199

86.2840, 95.7642,  
95.6944

49.2581, 23.7744,  
76.9960

86.3858, 95.8049,  
96.2306

49.2267, 23.7253,  
76.9432

86.4880, 95.8458,  
96.7688

86.5906, 95.8868,  
97.3090

# Harmonies

## Analogous

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



56.9383, 52.0079, 107.5586



63.9231, 52.0079, 85.2667



67.0073, 52.0079, 59.1702

# Triad

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



63.9231, 52.0079, 85.2667



50.3119, 52.0079, 22.3199



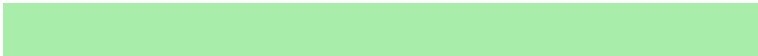
36.5946, 52.0079, 79.6922

# Complementary

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



63.9231, 52.0079, 85.2667



53.6905, 71.7972, 49.0615

# 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.



35.2346, 52.0079, 54.1592



63.9231, 52.0079, 85.2667



42.6161, 52.0079, 25.0125

# Square

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



63.9231, 52.0079, 85.2667



58.6195, 52.0079, 26.4939



37.3152, 52.0079, 35.2484



41.2583, 52.0079, 103.7617



# Rectangle

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



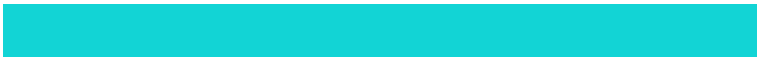
63.9231, 52.0079, 85.2667



66.2079, 52.0079, 44.4712



37.3152, 52.0079, 35.2484



35.7600, 52.0079, 70.8195

# Sweetspot

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



63.9247, 52.0102, 85.2678



88.0537, 86.1786, 106.0403



45.6854, 42.5739, 85.9317



18.6222, 18.0018, 22.6038



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.



63.9247, 52.0102, 85.2678



72.4669, 55.4961, 99.3306



59.5134, 50.2457, 62.0383



15.6949, 15.3058, 18.9444



26.8845, 12.9565, 42.0546



2.1171, 1.0198, 3.3337



# Inverse Universe

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



63.9247, 52.0102, 85.2678



72.4669, 55.4961, 99.3306



57.2918, 73.2378, 68.0257



15.6949, 15.3058, 18.9444



26.8845, 12.9565, 42.0546



2.1171, 1.0198, 3.3337



# Previews

## White Background



This preview shows how the XYZ color 63.9231, 52.0079, 85.2667 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

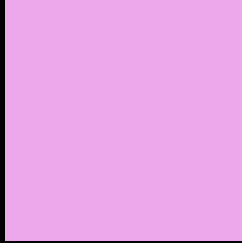
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.9231, 52.0079, 85.2667 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

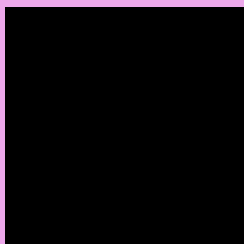
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.9231, 52.0079, 85.2667**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.9231, 52.0079, 85.2667.



This preview shows how white text looks on a background with the XYZ color 63.9231, 52.0079,



# 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

63.9231, 52.0079, 85.2667

### Protanopia

53.1321, 52.4113, 97.7585

### Deuteranopia

53.4293, 52.2573, 82.8719



## Tritanopia

57.9714, 52.1509, 55.7259

# Trichromacy



## Original Color

63.9231, 52.0079, 85.2667



## Protanomaly

56.2940, 51.6461, 93.3879



## Deuteranomaly

56.6189, 51.7341, 83.3455



## Tritanomaly

59.8809, 52.0520, 65.2835

# Monochromacy



## Original Color

63.9231, 52.0079, 85.2667



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

56.0557, 53.6198, 68.3680

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.9231, 52.0079, 85.2667 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(237, 168, 235)` looks like.

```
.text, #text, p{  
    color:rgb(237, 168, 235)  
}
```

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(237, 168, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 168, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 63.9231, 52.0079, 85.2667 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(237, 168, 235) }
```



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

```
.border{ border-color:rgb(237, 168, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 168, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 168, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 168, 235);  
box-shadow:4px 4px 4px 4px rgb(237, 168,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.9231, 52.0079, 85.2667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 168, 235) }
```

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

```
.background{ background-color: rgb(237,  
168, 235) }
```

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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