

# Converting Colors

XYZ(60.7824, 52.0811, 65.0222)

Have a look what the booklet for  
XYZ(60.7824, 52.0811, 65.0222)  
contains.

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# Color

**XYZ(60.8182, 51.9658,  
65.2175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDACCE
RGB	237, 172, 206
RGB Percent	93%, 67%, 81%
CMY	0.0706, 0.3255, 0.1922
CMYK	0.00, 0.27, 0.13, 0.07
HSL	329°, 64%, 80%
HSV	329°, 27%, 93%
XYZ	60.8182, 51.9658, 65.2175
YIQ	195.3110, 27.8260, 24.3540

# Conversions

## Conversions Part 2

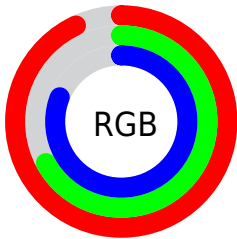
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 172, 206
Decimal	15576270
CIE <sub>Lab</sub>	77.26, 28.87, -7.80
CIE <sub>LCh</sub>	77, 29.908, 344.891
Yxy	51.9658, 0.3417, 0.2919
Android (android.graphics.Color)	4293766350 (0xFFEDACCE)
YUV	195.3110, 5.2697, 36.5613
Hunter-Lab	72.0873, 24.4431, -3.1786

# Details

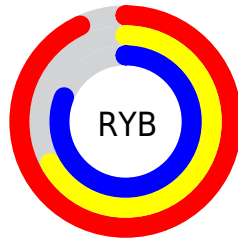
The XYZ color **60.8182, 51.9658, 65.2175** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **58.0791, 73.6523, 67.6585**, and the grayscale version is **52.0164, 54.7253, 59.5958**.

A 20% lighter version of the original color is **87.0334, 83.9668, 106.2278**, and **31.0867, 25.1639, 32.9244** is the 20% darker color. If you saturate the color by 10%, you get **55.3794, 43.2069, 56.8715**, and if you desaturate by 10%, it is **67.1631, 62.3776, 74.3541**.

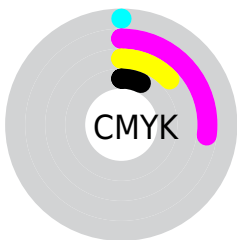
# Distribution



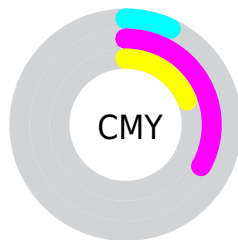
- Red (93%)
- Green (67%)
- Blue (81%)



- Red (93%)
- Yellow (67%)
- Blue (81%)



- Cyan (0%)
- Magenta (27%)
- Yellow (13%)
- Black (7%)




- Cyan (7%)
- Magenta (33%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.8182, 51.9658, 65.2175 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 60.8182, 51.9658, 65.2175 by changing the saturation by 10% instead.





 60.8182, 51.9658,  
65.2175

 60.8182, 51.9658,  
65.2175


417.3937,  
394.3046, 461.9007

 44.3304, 36.9778,  
47.1850

 105.1153, 93.0808,  
113.9788

 31.1294, 25.1903,  
32.8265


133.6553,  
119.9766, 145.5446

 20.8497, 16.2189,  
21.7236


166.9434,  
151.6105, 182.4587

 13.1260, 9.6792,  
13.4575

205.3451,  
188.3668, 225.1394

 7.5930, 5.1868,  
7.6099

249.2256,  
230.6300, 274.0055

 3.8852, 2.3573,  
3.7622

298.9503,

 1.6374, 0.8038,

278.7844, 329.4754

1.4958

354.8845,  
333.2145, 391.9676

■ 0.4166, 0.0000,  
0.2148

■ 0.0000, 0.0000,  
0.0000

■ 60.8182, 51.9658,  
65.2175

■ 60.8182, 51.9658,  
65.2175

■ 55.3794, 43.2069,  
56.8715

■ 67.1631, 62.3776,  
74.3541

■ 50.7974, 36.0075,  
49.2876

■ 74.4512, 74.5151,  
84.3016

■ 47.0249, 30.2757,  
42.4401

■ 82.7229, 88.4554,  
95.0838

■ 44.0078, 25.9069,  
36.3003

■ 88.1322, 96.5034,  
105.4279

■ 41.6850, 22.7826,  
30.8363

■ 88.7354, 96.7447,  
108.6045

■ 39.9851, 20.7635,  
26.0127

■ 38.8142, 19.6663,  
21.7859

■ 38.5611, 19.4590,  
20.7799

# Harmonies

## Analogous

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



57.5883, 51.9658, 82.0275



60.8182, 51.9658, 65.2175



60.8307, 51.9658, 48.8500

# Triad

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



60.8182, 51.9658, 65.2175



46.6127, 51.9658, 31.2250



41.9860, 51.9658, 81.9183

# Complementary

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



60.8182, 51.9658, 65.2175



58.0791, 73.6523, 67.6585

# 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.



39.4853, 51.9658, 65.0895



60.8182, 51.9658, 65.2175



42.0127, 51.9658, 37.0316

# Square

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



60.8182, 51.9658, 65.2175



52.3217, 51.9658, 31.2460



39.4947, 51.9658, 48.7444



46.5736, 51.9658, 92.8654



# Rectangle

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



60.8182, 51.9658, 65.2175



58.9979, 51.9658, 40.3750



39.4947, 51.9658, 48.7444



40.8897, 51.9658, 76.6320

# Sweetspot

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



60.8197, 51.9682, 65.2186



87.3566, 87.0570, 98.8021



54.4882, 48.2252, 86.5581



18.4063, 18.1458, 20.7565



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.



60.8197, 51.9682, 65.2186



68.0229, 55.2285, 71.2736



57.3358, 50.5746, 46.8724



15.3946, 15.1857, 17.3631



21.1196, 10.6505, 11.6971



1.7070, 0.8558, 1.1744



# Inverse Universe

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



60.8197, 51.9682, 65.2186



68.0229, 55.2285, 71.2736



62.2705, 75.3289, 89.7299



15.3946, 15.1857, 17.3631



21.1196, 10.6505, 11.6971

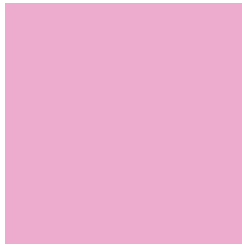


1.7070, 0.8558, 1.1744



# Previews

## White Background



This preview shows how the XYZ color 60.8182, 51.9658, 65.2175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

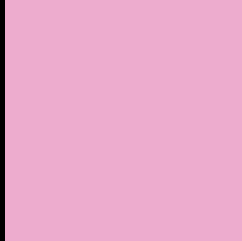
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.8182, 51.9658, 65.2175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

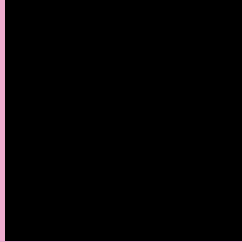
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 60.8182, 51.9658, 65.2175

## Background



This preview shows how black text looks on a background with the XYZ color 60.8182, 51.9658, 65.2175.



This preview shows how white text looks on a background with the XYZ color 60.8182, 51.9658,

65.2175.

# 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

60.8182, 51.9658, 65.2175

### Protanopia

51.4314, 52.4015, 73.0494

### Deuteranopia

53.2402, 52.2670, 63.7824



## Tritanopia

58.7762, 51.9962, 55.0825

# Trichromacy



## Original Color

60.8182, 51.9658, 65.2175

## Protanomaly

54.1206, 51.6502, 70.0678

## Deuteranomaly

55.7419, 52.0063, 64.2270

## Tritanomaly

59.5784, 52.0451, 58.5353

# Monochromacy



## Original Color

60.8182, 51.9658, 65.2175

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

54.6575, 53.3658, 61.4527

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.8182, 51.9658, 65.2175 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, 172, 206)` looks like.

```
.text, #text, p{  
    color:rgb(237, 172, 206)  
}
```

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, 172, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 172, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 60.8182, 51.9658, 65.2175 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".

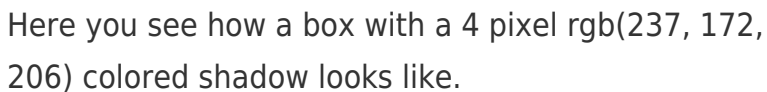
```
.border, #border, table{ border:4px solid rgb(237, 172, 206) }
```



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

```
.border{ border-color:rgb(237, 172, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(237, 172, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 172, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 172, 206); box-shadow:4px 4px 4px 4px rgb(237, 172, 206) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.8182, 51.9658, 65.2175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 172, 206) }
```

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

```
.background{ background-color: rgb(237,  
172, 206) }
```

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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