

# Converting Colors

XYZ(58.7177, 50.0716, 85.3686)

Have a look what the booklet for  
XYZ(58.7177, 50.0716, 85.3686)  
contains.

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# Color

**XYZ(58.7717, 50.1840,  
85.1861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBABEB
RGB	219, 171, 235
RGB Percent	86%, 67%, 92%
CMY	0.1412, 0.3294, 0.0784
CMYK	0.07, 0.27, 0.00, 0.08
HSL	285°, 62%, 80%
HSV	285°, 27%, 92%
XYZ	58.7717, 50.1840, 85.1861
YIQ	192.6480, 8.0640, 30.0800

# Conversions

## Conversions Part 2

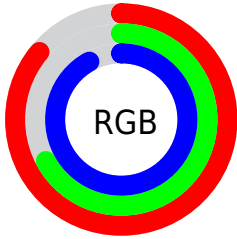
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 171, 235
Decimal	14396395
CIE Lab	76.18, 28.63, -25.35
CIE LCh	76, 38.246, 318.477
Yxy	50.1840, 0.3027, 0.2585
Android (android.graphics.Color)	4292586475 (0xFFDBABEB)
YUV	192.6480, 20.8795, 23.1107
Hunter-Lab	70.8407, 24.1182, -21.7079

# Details

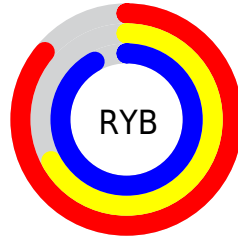
The XYZ color **58.7717, 50.1840, 85.1861** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.5542, 72.9229, 49.5725**, and the grayscale version is **50.3615, 52.9842, 57.6998**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **29.7194, 23.9981, 45.7135** is the 20% darker color. If you saturate the color by 10%, you get **52.9853, 41.1880, 83.7554**, and if you desaturate by 10%, it is **65.4128, 60.7946, 86.8849**.

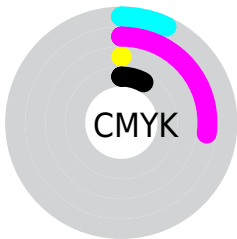
# Distribution



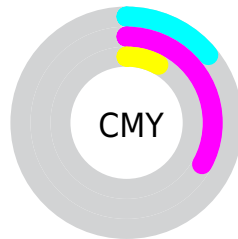
- Red (86%)
- Green (67%)
- Blue (92%)



- Red (86%)
- Yellow (67%)
- Blue (92%)



- Cyan (7%)
- Magenta (27%)
- Yellow (0%)
- Black (8%)




- Cyan (14%)
- Magenta (33%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7717, 50.1840, 85.1861 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 58.7717, 50.1840, 85.1861 by changing the saturation by 10% instead.





 58.7717, 50.1840,  
85.1861

 58.7717, 50.1840,  
85.1861


409.9630,  
387.3851, 532.4043

 42.6750, 35.5596,  
63.4441


 102.1623, 90.4474,  
142.5096

 29.8236, 24.0943,  
45.7573


130.1870,  
116.8553, 178.9283

 19.8522, 15.4036,  
31.7071

162.9183,  
147.9598, 221.0762

 12.3953, 9.1031,  
20.8749

200.7217,  
184.1452, 269.3720

 7.0876, 4.8085,  
12.8422

243.9625,  
225.7961, 324.2341

 3.5638, 2.1353,  
7.1905

293.0061,

 1.4584, 0.6844,

273.2968, 386.0812

3.5013

348.2178,  
327.0316, 455.3318

■ 0.2973, 0.0000,  
1.3560

■ 0.0000, 0.0000,  
0.1070

■ 58.7717, 50.1840,  
85.1861

■ 58.7717, 50.1840,  
85.1861

■ 52.9853, 41.1880,  
83.7554

■ 65.4128, 60.7946,  
86.8849

■ 48.0063, 33.7163,  
82.5757

■ 72.9432, 73.0912,  
88.8615

■ 43.7900, 27.6794,  
81.6327

■ 81.4011, 87.1485,  
91.1290

■ 40.2853, 22.9756,  
80.9095

■ 87.5460, 96.4844,  
92.6072

■ 37.4338, 19.4898,  
80.3869

■ 89.6007, 97.5437,  
92.7033

■ 35.1676, 17.0867,  
80.0425

■ 91.7209, 98.6366,  
92.8026

■ 33.3979, 15.5898,  
79.8469

■ 91.9955, 98.7782,  
92.8154

■ 32.9568, 15.2576,  
79.8060

# Harmonies

## Analogous

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



52.1981, 50.1840, 101.2447



58.7717, 50.1840, 85.1861



62.5076, 50.1840, 62.9071

# Triad

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



58.7717, 50.1840, 85.1861



50.5032, 50.1840, 24.3872



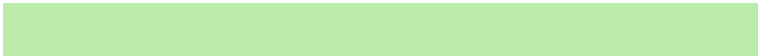
35.7909, 50.1840, 68.1210

# Complementary

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



58.7717, 50.1840, 85.1861



57.5542, 72.9229, 49.5725

# 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.



35.4350, 50.1840, 47.1343



58.7717, 50.1840, 85.1861



43.4650, 50.1840, 25.1175

# Square

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



58.7717, 50.1840, 85.1861



57.4245, 50.1840, 30.1096



38.1114, 50.1840, 32.4411



39.1376, 50.1840, 89.8160



# Rectangle

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



58.7717, 50.1840, 85.1861



62.6600, 50.1840, 49.0309



38.1114, 50.1840, 32.4411



35.3308, 50.1840, 60.6653

# Sweetspot

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



58.7733, 50.1861, 85.1872



87.0324, 86.7134, 106.7580



49.7894, 50.6532, 85.7508



18.3231, 18.0583, 22.7698



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.



58.7733, 50.1861, 85.1872



66.5040, 53.7753, 101.4823



61.7524, 51.9608, 74.5324



15.3257, 15.1132, 19.0316



18.4645, 8.5547, 44.4210



1.5367, 0.7165, 3.4922



# Inverse Universe

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



57.7951, 50.3779, 53.6936



65.2766, 54.1300, 56.8115



55.3604, 71.6182, 57.3252



15.2199, 15.1158, 16.4434



19.5465, 10.0213, 3.4133

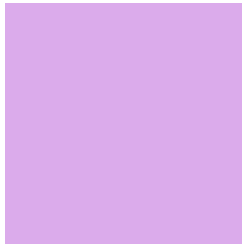


1.5725, 0.8019, 0.4659



# Previews

## White Background



This preview shows how the XYZ color 58.7717, 50.1840, 85.1861 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

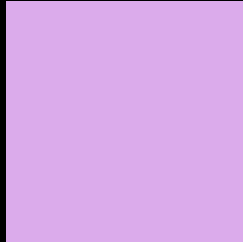
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.7717, 50.1840, 85.1861 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

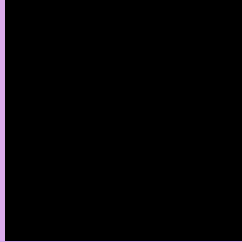
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 58.7717, 50.1840, 85.1861

## Background



This preview shows how black text looks on a background with the XYZ color 58.7717, 50.1840, 85.1861.



This preview shows how white text looks on a background with the XYZ color 58.7717, 50.1840,



# 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

58.7717, 50.1840, 85.1861

### Protanopia

51.2067, 50.5423, 94.2455

### Deuteranopia

51.4731, 50.2975, 83.3394



## Tritanopia

53.1863, 50.2366, 57.3455

# Trichromacy



## Original Color

58.7717, 50.1840, 85.1861



## Protanomaly

53.5372, 50.2774, 90.8872



## Deuteranomaly

53.8540, 49.9937, 83.9021



## Tritanomaly

54.9348, 50.0518, 66.4401

# Monochromacy



## Original Color

58.7717, 50.1840, 85.1861



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

53.0912, 51.8085, 66.8763

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.7717, 50.1840, 85.1861 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(219, 171, 235)` looks like.

```
.text, #text, p{  
    color:rgb(219, 171, 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(219, 171, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 171, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 58.7717, 50.1840, 85.1861 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(219, 171, 235) }
```



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

```
.border{ border-color:rgb(219, 171, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 171, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 171, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 171, 235);  
box-shadow:4px 4px 4px 4px rgb(219, 171,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.7717, 50.1840, 85.1861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 171, 235) }
```

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

```
.background{ background-color: rgb(219,  
171, 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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