

# Converting Colors

XYZ(60.8265, 60.2858, 87.0277)

Have a look what the booklet for  
XYZ(60.8265, 60.2858, 87.0277)  
contains.

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# Color

**XYZ(60.8265, 60.2858,  
87.0277)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDC8EB
RGB	205, 200, 235
RGB Percent	80%, 78%, 92%
CMY	0.1961, 0.2157, 0.0784
CMYK	0.13, 0.15, 0.00, 0.08
HSL	249°, 47%, 85%
HSV	249°, 15%, 92%
XYZ	60.8265, 60.2858, 87.0277
YIQ	205.4850, -8.2550, 11.9450

# Conversions

## Conversions Part 2

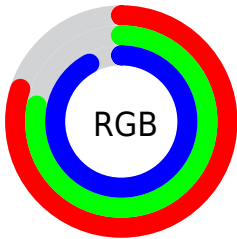
Format	Color
R <sub>Y</sub> B	205, 200, 235
Decimal	13486315
CIE Lab	81.99, 8.49, -16.65
CIE LCh	82, 18.695, 297.022
Yxy	60.2858, 0.2922, 0.2896
Android (android.graphics.Color)	4291676395 (0xFFCDC8EB)
YUV	205.4850, 14.5509, -0.4253
Hunter-Lab	77.6439, 3.9606, -12.1048

# Details

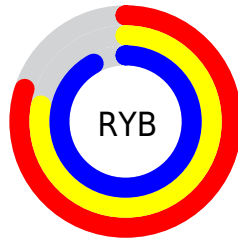
The XYZ color **60.8265, 60.2858, 87.0277** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.7688, 80.4113, 66.3319**, and the grayscale version is **58.2526, 61.2863, 66.7407**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **31.1781, 30.3918, 46.8708** is the 20% darker color. If you saturate the color by 10%, you get **50.5933, 47.5437, 85.1085**, and if you desaturate by 10%, it is **72.6153, 75.0747, 89.2619**.

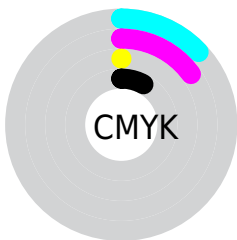
# Distribution



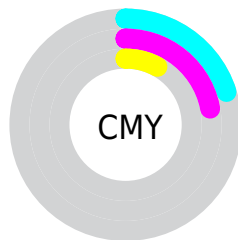
- Red (80%)
- Green (78%)
- Blue (92%)



- Red (80%)
- Yellow (78%)
- Blue (92%)



- Cyan (13%)
- Magenta (15%)
- Yellow (0%)
- Black (8%)



- Cyan (20%)
- Magenta (22%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.8265, 60.2858, 87.0277 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 60.8265, 60.2858, 87.0277 by changing the saturation by 10% instead.



■ 60.8265, 60.2858,  
87.0277

■ 60.8265, 60.2858,  
87.0277

417.4236,  
425.6504, 538.6325

■ 44.3372, 43.6490,  
64.9584

105.1272,  
105.2441, 145.1020

■ 31.1347, 30.3947,  
46.9762

133.6693,  
134.3345, 181.9440

■ 20.8538, 20.1384,  
32.6626

166.9597,  
168.3449, 224.5473

■ 13.1290, 12.4957,  
21.5991

205.3638,  
207.6596, 273.3305

■ 7.5951, 7.0822,  
13.3671

249.2468,  
252.6632, 328.7120

■ 3.8866, 3.5136,  
7.5482

298.9743,

■ 1.6382, 1.4054,

303.7399, 391.1105

3.7236

354.9114,  
361.2742, 460.9445

■ 0.4171, 0.2207,  
1.4750

■ 0.0000, 0.0000,  
0.1992

■ 60.8265, 60.2858,  
87.0277

■ 60.8265, 60.2858,  
87.0277

■ 50.5933, 47.5437,  
85.1085

■ 72.6153, 75.0747,  
89.2619

■ 41.8451, 36.7508,  
83.4864

■ 86.0155, 91.9875,  
91.8201

■ 34.5137, 27.8126,  
82.1475

■ 91.9956, 98.7782,  
92.8157

■ 28.5238, 20.6240,  
81.0757

■ 23.7926, 15.0690,  
80.2528

■ 20.2282, 11.0177,  
79.6587

■ 17.7254, 8.3199,  
79.2699

■ 16.1593, 6.7934,  
79.0578

■ 15.6408, 6.3309,  
78.9958

# Harmonies

## Analogous

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



56.9055, 60.2858, 89.8939



60.8265, 60.2858, 87.0277



63.9221, 60.2858, 78.2298

# Triad

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



60.8265, 60.2858, 87.0277



61.5417, 60.2858, 49.0065



50.0328, 60.2858, 64.5156

# Complementary

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



60.8265, 60.2858, 87.0277



72.7688, 80.4113, 66.3319

# 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.



51.1515, 60.2858, 54.4808



60.8265, 60.2858, 87.0277



57.6960, 60.2858, 46.1970

# Square

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



60.8265, 60.2858, 87.0277



64.3482, 60.2858, 56.2306



53.9122, 60.2858, 48.0808



50.7859, 60.2858, 76.0467



# Rectangle

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



60.8265, 60.2858, 87.0277



65.0381, 60.2858, 70.6569



53.9122, 60.2858, 48.0808



50.2011, 60.2858, 60.8683

# Sweetspot

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



60.8283, 60.2883, 87.0290



88.7380, 92.0431, 107.6968



67.2063, 75.0585, 89.5438



18.7471, 19.3907, 23.0046



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.



60.8283, 60.2883, 87.0290



69.0920, 67.4164, 103.9789



65.8269, 62.8652, 87.2630



14.4313, 14.6521, 18.9898



8.7679, 3.5560, 43.9672



0.7511, 0.3115, 3.4554



# Inverse Universe

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



69.2001, 64.6864, 83.7040



81.0775, 73.7150, 99.1248



67.5278, 77.7095, 66.0867



15.6169, 15.2746, 18.5340



25.0006, 12.2029, 32.1342

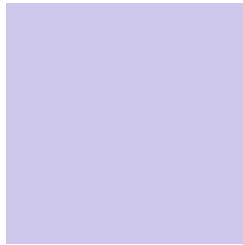


1.9885, 0.9684, 2.6568



# Previews

## White Background



This preview shows how the XYZ color 60.8265, 60.2858, 87.0277 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

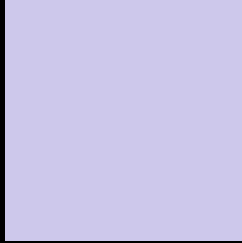
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.8265, 60.2858, 87.0277 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

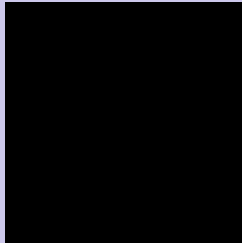
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 60.8265, 60.2858, 87.0277**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.8265, 60.2858, 87.0277.



This preview shows how white text looks on a background with the XYZ color 60.8265, 60.2858,



# 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

60.8265, 60.2858, 87.0277

### Protanopia

59.5496, 60.3030, 87.8579

### Deuteranopia

61.7133, 60.4003, 87.0030



## Tritanopia

58.4992, 60.3829, 75.5897

# Trichromacy



## Original Color

60.8265, 60.2858, 87.0277

## Protanomaly

60.1144, 60.2469, 87.8173

## Deuteranomaly

61.4312, 60.2549, 86.9898

## Tritanomaly

59.3397, 60.3738, 79.7599

# Monochromacy



## Original Color

60.8265, 60.2858, 87.0277

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

58.9274, 60.6489, 73.5663

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.8265, 60.2858, 87.0277 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(205, 200, 235)` looks like.

```
.text, #text, p{  
    color:rgb(205, 200, 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(205, 200, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 200, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 60.8265, 60.2858, 87.0277 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(205, 200, 235) }
```



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

```
.border{ border-color:rgb(205, 200, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 200, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 200, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 200, 235);  
box-shadow:4px 4px 4px 4px rgb(205, 200,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.8265, 60.2858, 87.0277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 200, 235) }
```

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

```
.background{ background-color: rgb(205,  
200, 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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