

Converting Colors

XYZ(56.7933, 49.8874, 86.5684)

Have a look what the booklet for
XYZ(56.7933, 49.8874, 86.5684)
contains.

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Color

**XYZ(57.0005, 50.0882,
86.7845)**

Conversions

Conversions Part 1

Format	Color
Hex	D2AEED
RGB	210, 174, 237
RGB Percent	82%, 68%, 93%
CMY	0.1765, 0.3176, 0.0706
CMYK	0.11, 0.27, 0.00, 0.07
HSL	274°, 64%, 81%
HSV	274°, 27%, 93%
XYZ	57.0005, 50.0882, 86.7845
YIQ	191.9460, 1.2330, 27.2250

Conversions

Conversions Part 2

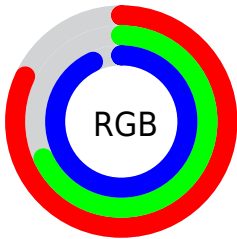
Format	Color
R_{YB}	210, 174, 237
Decimal	13807341
CIE _{Lab}	76.12, 24.56, -26.60
CIE _{LCh}	76, 36.208, 312.721
Yxy	50.0882, 0.2940, 0.2584
Android (android.graphics.Color)	4291997421 (0xFFD2AEED)
YUV	191.9460, 22.2116, 15.8334
Hunter-Lab	70.7730, 19.9109, -23.1625

Details

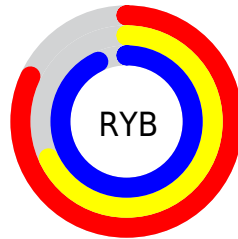
The XYZ color **57.0005, 50.0882, 86.7845** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **62.0132, 76.0431, 51.4561**, and the grayscale version is **49.9469, 52.5480, 57.2248**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **28.6954, 23.9795, 46.8322** is the 20% darker color. If you saturate the color by 10%, you get **50.0192, 40.2825, 85.2605**, and if you desaturate by 10%, it is **64.9764, 61.6083, 88.5885**.

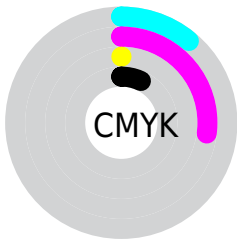
Distribution



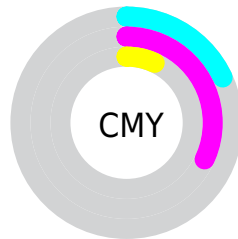
- Red (82%)
- Green (68%)
- Blue (93%)



- Red (82%)
- Yellow (68%)
- Blue (93%)



- Cyan (11%)
- Magenta (27%)
- Yellow (0%)
- Black (7%)



- Cyan (18%)
- Magenta (32%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.0005, 50.0882, 86.7845 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 57.0005, 50.0882, 86.7845 by changing the saturation by 10% instead.


 57.0005, 50.0882,
86.7845

 57.0005, 50.0882,
86.7845


403.4653,
387.0108, 537.8123

 41.2458, 35.4835,
64.7583

 99.5973, 90.3055,
144.7599

 28.6997, 24.0355,
46.8150


127.1700,
116.6870, 181.5463

 18.9969, 15.3600,
32.5361


159.4129,
147.7627, 224.0897

 11.7720, 9.0724,
21.5031

196.6911,
183.9173, 272.8087

 6.6597, 4.7885,
13.2975

239.3701,
225.5349, 328.1220

 3.2947, 2.1237,
7.5006

287.8153,

 1.3114, 0.6779,

273.0001, 390.4480

3.6939

342.3919,
326.6973, 460.2052

■ 0.1918, 0.0000,
1.4590

■ 0.0000, 0.0000,
0.1871

■ 57.0005, 50.0882,
86.7845

■ 57.0005, 50.0882,
86.7845

■ 50.0192, 40.2825,
85.2605

■ 64.9764, 61.6083,
88.5885

■ 43.9818, 32.0982,
83.9990

■ 73.9846, 74.9168,
90.6825

■ 38.8401, 25.4430,
82.9854

■ 84.0667, 90.0911,
93.0801

■ 34.5393, 20.2123,
82.2025

■ 90.6972, 98.0753,
94.2717

■ 31.0173, 16.2880,
81.6306

■ 92.2862, 98.8945,
94.3461

■ 28.2025, 13.5320,
81.2471

■ 26.0051, 11.7709,
81.0229

■ 25.3469, 11.3010,
80.9669

Harmonies

Analogous

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



50.5330, 50.0882, 99.6098



57.0005, 50.0882, 86.7845



61.1571, 50.0882, 66.3833

Triad

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



57.0005, 50.0882, 86.7845



51.5814, 50.0882, 26.1130



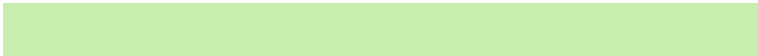
36.0001, 50.0882, 63.1695

Complementary

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



57.0005, 50.0882, 86.7845



62.0132, 76.0431, 51.4561

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.



36.2231, 50.0882, 44.1921



57.0005, 50.0882, 86.7845



44.7968, 50.0882, 25.6458

Square

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



57.0005, 50.0882, 86.7845



57.8305, 50.0882, 32.9455



39.3073, 50.0882, 31.4689



38.6661, 50.0882, 83.9564

Rectangle

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



57.0005, 50.0882, 86.7845



61.8368, 50.0882, 52.7863



39.3073, 50.0882, 31.4689



35.7476, 50.0882, 56.3271

Sweetspot

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



57.0021, 50.0903, 86.7856



85.7402, 86.0472, 106.6975



53.7001, 57.0284, 88.2988



17.9968, 17.8901, 22.7545



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.



57.0021, 50.0903, 86.7856



62.5941, 52.4808, 101.4385



64.7419, 54.1504, 83.9818



15.0552, 14.9738, 19.0190



13.9916, 6.2489, 44.2117



1.2084, 0.5473, 3.4768

Inverse Universe

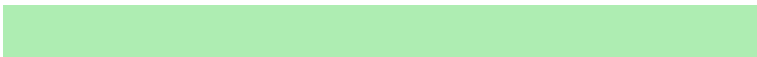
The Inverse Universe completely reimagines the original color for something new.



60.6053, 52.4958, 62.1989



67.6914, 55.8732, 67.1315



55.7975, 72.7907, 53.3363



15.3334, 15.1612, 17.0412



20.4284, 10.3741, 8.0573



1.6514, 0.8335, 0.8818

Previews

White Background



This preview shows how the XYZ color 57.0005, 50.0882, 86.7845 looks on a white background.

Color Contrast Check

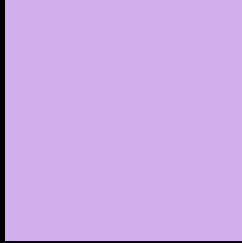
Large Text (above 18pt) WCAG AA × Fail

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 57.0005, 50.0882, 86.7845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

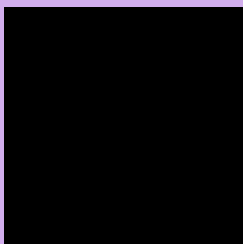
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.0005, 50.0882, 86.7845

Background



This preview shows how black text looks on a background with the XYZ color 57.0005, 50.0882, 86.7845.



This preview shows how white text looks on a background with the XYZ color 57.0005, 50.0882,

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

57.0005, 50.0882, 86.7845

Protanopia

51.0536, 50.4810, 93.4392

Deuteranopia

51.4273, 50.2242, 85.5810



Tritanopia

51.3204, 50.1379, 59.1973

Trichromacy



Original Color

57.0005, 50.0882, 86.7845

Protanomaly

53.0047, 50.3058, 90.9207

Deuteranomaly

53.1998, 49.9051, 86.1856

Tritanomaly

53.3316, 50.0652, 68.4807

Monochromacy



Original Color

57.0005, 50.0882, 86.7845

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

52.2873, 51.3941, 66.8387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.0005, 50.0882, 86.7845 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(210, 174, 237)` looks like.

```
.text, #text, p{  
    color:rgb(210, 174, 237)  
}
```

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(210, 174, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 174, 237) }
```

Border

The CSS property to change the border of an element to XYZ 57.0005, 50.0882, 86.7845 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(210, 174, 237) }
```


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

```
.border{ border-color:rgb(210, 174, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 174, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 174, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 174, 237);  
box-shadow:4px 4px 4px 4px rgb(210, 174,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 57.0005, 50.0882, 86.7845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 174, 237) }
```

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

```
.background{ background-color: rgb(210,  
174, 237) }
```

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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