

Converting Colors

XYZ(57.1862, 49.7091, 86.6511)

Have a look what the booklet for
XYZ(57.1862, 49.7091, 86.6511)
contains.

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Color

**XYZ(57.1900, 49.6165,
86.6835)**

Conversions

Conversions Part 1

Format	Color
Hex	D4ACED
RGB	212, 172, 237
RGB Percent	83%, 67%, 93%
CMY	0.1686, 0.3255, 0.0706
CMYK	0.11, 0.27, 0.00, 0.07
HSL	277°, 64%, 80%
HSV	277°, 27%, 93%
XYZ	57.1900, 49.6165, 86.6835
YIQ	191.3700, 2.9750, 28.6950

Conversions

Conversions Part 2

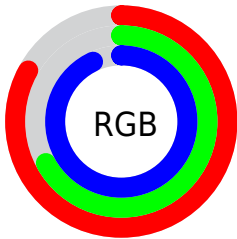
Format	Color
R _{YB}	212, 172, 237
Decimal	13937901
CIE _{Lab}	75.83, 26.28, -27.03
CIE _{LCh}	76, 37.700, 314.197
Yxy	49.6165, 0.2956, 0.2564
Android (android.graphics.Color)	4292127981 (0xFFD4ACED)
YUV	191.3700, 22.4956, 18.0925
Hunter-Lab	70.4390, 21.6574, -23.6561

Details

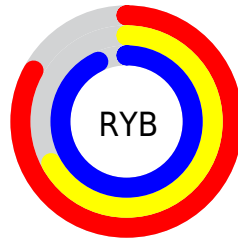
The XYZ color **57.1900, 49.6165, 86.6835** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.7581, 75.4185, 50.3869**, and the grayscale version is **49.6096, 52.1931, 56.8383**.

A 20% lighter version of the original color is **87.0334, 83.9668, 106.2278**, and **28.8419, 23.6979, 46.7701** is the 20% darker color. If you saturate the color by 10%, you get **50.5217, 40.0705, 85.1932**, and if you desaturate by 10%, it is **64.8142, 60.8518, 88.4511**.

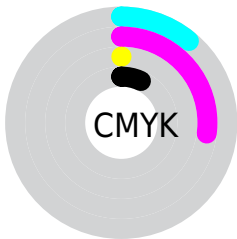
Distribution



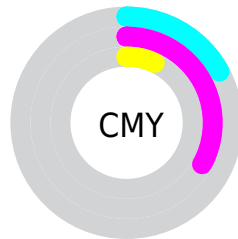
- Red (83%)
- Green (67%)
- Blue (93%)



- Red (83%)
- Yellow (67%)
- Blue (93%)



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



- Cyan (17%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.1900, 49.6165, 86.6835 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 57.1900, 49.6165, 86.6835 by changing the saturation by 10% instead.

57.1900, 49.6165,
86.6835

57.1900, 49.6165,
86.6835

404.1636,
385.1643, 537.4715

41.3985, 35.1088,
64.6752

99.8721, 89.6064,
144.6179

28.8197, 23.7467,
46.7481

127.4935,
115.8574, 181.3810

19.0880, 15.1458,
32.4836

159.7889,
146.7916, 223.8996

11.8383, 8.9218,
21.4633

197.1237,
182.7933, 272.5920

6.7051, 4.6902,
13.2685

239.8632,
224.2471, 327.8768

3.3230, 2.0667,
7.4808

288.3727,

1.3268, 0.6458,

271.5373, 390.1727

3.6816

343.0178,
325.0482, 459.8980

■ 0.2031, 0.0000,
1.4524

■ 0.0000, 0.0000,
0.1821

■ 57.1900, 49.6165,
86.6835

■ 57.1900, 49.6165,
86.6835

■ 50.5217, 40.0705,
85.1932

■ 64.8142, 60.8518,
88.4511

■ 44.7593, 32.1208,
83.9624

■ 73.4314, 73.8505,
90.5059

■ 39.8552, 25.6748,
82.9767

■ 83.0826, 88.6898,
92.8615

■ 35.7551, 20.6274,
82.2186

■ 89.9224, 97.6759,
94.2355

■ 32.3975, 16.8599,
81.6683

■ 92.2862, 98.8945,
94.3461

■ 29.7106, 14.2324,
81.3028

■ 27.6003, 12.5610,
81.0914

■ 27.1130, 12.2114,
81.0496

Harmonies

Analogous

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



50.5414, 49.6165, 100.7365



57.1900, 49.6165, 86.6835



61.3489, 49.6165, 65.2299

Triad

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



57.1900, 49.6165, 86.6835



50.9247, 49.6165, 24.7496



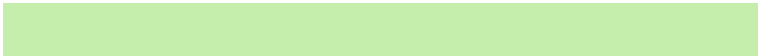
35.2649, 49.6165, 64.0516

Complementary

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



57.1900, 49.6165, 86.6835



60.7581, 75.4185, 50.3869

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.



35.3455, 49.6165, 44.1810



57.1900, 49.6165, 86.6835



43.9309, 49.6165, 24.5835

Square

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



57.1900, 49.6165, 86.6835



57.4944, 49.6165, 31.3401



38.3754, 49.6165, 30.8108



38.1429, 49.6165, 85.6388

Rectangle

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



57.1900, 49.6165, 86.6835



61.9145, 49.6165, 51.2489



38.3754, 49.6165, 30.8108



34.9565, 49.6165, 56.8974

Sweetspot

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



57.1916, 49.6186, 86.6846



86.0560, 86.2100, 106.7123



52.4952, 55.2752, 88.0240



18.0764, 17.9311, 22.7583



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.



57.1916, 49.6186, 86.6846



62.9035, 51.9192, 101.3138



64.0322, 53.2528, 82.1366



15.1213, 15.0078, 19.0221



14.9535, 6.7447, 44.2567



1.2811, 0.5847, 3.4802

Inverse Universe

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



59.7572, 51.5428, 59.6245



66.5798, 54.6513, 63.6743



55.3853, 72.5748, 53.4745



15.3052, 15.1499, 16.8927



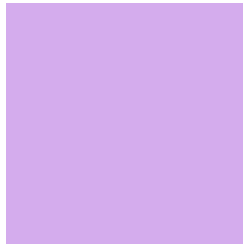
20.1618, 10.2674, 6.6533



1.6289, 0.8245, 0.7633

Previews

White Background



This preview shows how the XYZ color 57.1900, 49.6165, 86.6835 looks on a white background.

Color Contrast Check

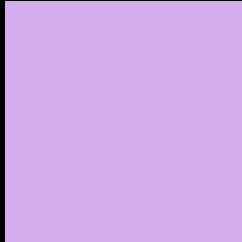
Large Text (above 18pt) WCAG AA × Fail

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 57.1900, 49.6165, 86.6835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

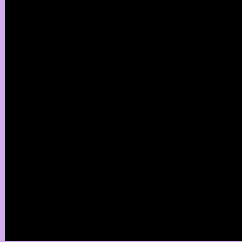
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.1900, 49.6165, 86.6835

Background



This preview shows how black text looks on a background with the XYZ color 57.1900, 49.6165, 86.6835.



This preview shows how white text looks on a background with the XYZ color 57.1900, 49.6165,

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

57.1900, 49.6165, 86.6835

Protanopia

50.5611, 49.8978, 94.1552

Deuteranopia

50.9849, 49.6889, 85.5010



Tritanopia

51.2357, 49.5167, 57.8962

Trichromacy



Original Color

57.1900, 49.6165, 86.6835

Protanomaly

52.5065, 49.4279, 91.5672

Deuteranomaly

52.9986, 49.5028, 86.1185

Tritanomaly

53.3674, 49.5073, 67.7159

Monochromacy



Original Color

57.1900, 49.6165, 86.6835

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

52.0788, 50.9772, 66.7692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.1900, 49.6165, 86.6835 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(212, 172, 237)` looks like.

```
.text, #text, p{  
    color:rgb(212, 172, 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(212, 172, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 172, 237) }
```

Border

The CSS property to change the border of an element to XYZ 57.1900, 49.6165, 86.6835 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(212, 172, 237) }
```


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

```
.border{ border-color:rgb(212, 172, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 172, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 172, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 172, 237);  
box-shadow:4px 4px 4px 4px rgb(212, 172,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 57.1900, 49.6165, 86.6835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 172, 237) }
```

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

```
.background{ background-color: rgb(212,  
172, 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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