

Converting Colors

XYZ(56.9655, 45.3762, 85.9918)

Have a look what the booklet for
XYZ(56.9655, 45.3762, 85.9918)
contains.

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Color

**XYZ(57.1618, 45.6005,
85.9098)**

Conversions

Conversions Part 1

Format	Color
Hex	DD9DED
RGB	221, 157, 237
RGB Percent	87%, 62%, 93%
CMY	0.1333, 0.3843, 0.0706
CMYK	0.07, 0.34, 0.00, 0.07
HSL	288°, 69%, 77%
HSV	288°, 34%, 93%
XYZ	57.1618, 45.6005, 85.9098
YIQ	185.2560, 12.4640, 38.4480

Conversions

Conversions Part 2

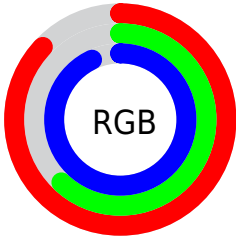
Format	Color
R _Y B	221, 157, 237
Decimal	14523885
CIE Lab	73.29, 37.19, -30.87
CIE LCh	73, 48.335, 320.309
Yxy	45.6005, 0.3030, 0.2417
Android (android.graphics.Color)	4292713965 (0xFFDD9DED)
YUV	185.2560, 25.5098, 31.3475
Hunter-Lab	67.5281, 32.9240, -28.1595

Details

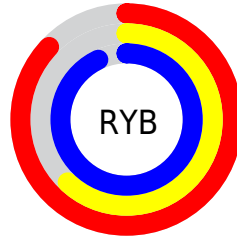
The XYZ color **57.1618, 45.6005, 85.9098** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **53.6051, 71.8881, 42.9509**, and the grayscale version is **46.1154, 48.5170, 52.8350**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **28.8079, 21.2362, 46.2967** is the 20% darker color. If you saturate the color by 10%, you get **52.1118, 37.6119, 84.6347**, and if you desaturate by 10%, it is **63.0332, 55.1693, 87.4480**.

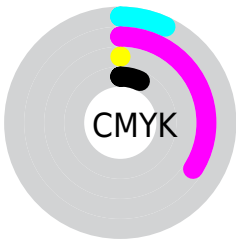
Distribution



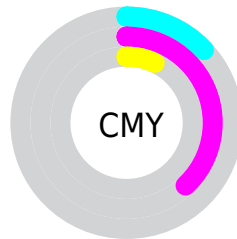
- Red (87%)
- Green (62%)
- Blue (93%)



- Red (87%)
- Yellow (62%)
- Blue (93%)



- Cyan (7%)
- Magenta (34%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (38%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.1618, 45.6005, 85.9098 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 57.1618, 45.6005, 85.9098 by changing the saturation by 10% instead.

57.1618, 45.6005,
85.9098

57.1618, 45.6005,
85.9098

404.0597,
369.2002, 534.8566

41.3758, 31.9307,
64.0389

99.8312, 83.6208,
143.5290

28.8018, 21.3086,
46.2358

127.4454,
108.7401, 180.1145

19.0745, 13.3497,
32.0819

159.7330,
138.4446, 222.4419

11.8284, 7.6698,
21.1588

197.0593,
173.1188, 270.9297

6.6983, 3.8844,
13.0477

239.7898,
213.1471, 325.9966

3.3188, 1.6091,
7.3303

288.2898,

1.3245, 0.3637,

258.9138, 388.0610

3.5880

342.9247,
310.8034, 457.5415

■ 0.2015, 0.0000,
1.4021

■ 0.0000, 0.0000,
0.1434

■ 57.1618, 45.6005,
85.9098

■ 57.1618, 45.6005,
85.9098

■ 52.1118, 37.6119,
84.6347

■ 63.0332, 55.1693,
87.4480

■ 47.8333, 31.1073,
83.6047

■ 69.7634, 66.3958,
89.2602

■ 44.2776, 25.9888,
82.8041

■ 77.3927, 79.3590,
91.3603

■ 41.3884, 22.1444,
82.2144

■ 85.9576, 94.1315,
93.7602

■ 39.1006, 19.4443,
81.8138

■ 88.5984, 96.9934,
94.1734

■ 37.3350, 17.7306,
81.5760

■ 90.2708, 97.8555,
94.2517

■ 36.4219, 17.0103,
81.4851

■ 91.9858, 98.7396,
94.3320

■ 92.2862, 98.8945,
94.3460

Harmonies

Analogous

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



49.2606, 45.6005, 107.6963



57.1618, 45.6005, 85.9098



61.5144, 45.6005, 57.9473

Triad

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



57.1618, 45.6005, 85.9098



46.1494, 45.6005, 16.3460



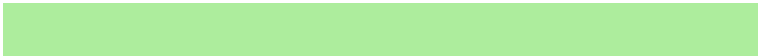
29.7598, 45.6005, 67.7174

Complementary

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



57.1618, 45.6005, 85.9098



53.6051, 71.8881, 42.9509

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.



29.1551, 45.6005, 42.1873



57.1618, 45.6005, 85.9098



37.9173, 45.6005, 17.4375

Square

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



57.1618, 45.6005, 85.9098



54.6301, 45.6005, 21.6573



31.9509, 45.6005, 25.3714



33.7267, 45.6005, 95.0358

Rectangle

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



57.1618, 45.6005, 85.9098



61.4758, 45.6005, 41.7429



31.9509, 45.6005, 25.3714



29.1787, 45.6005, 58.5001

Sweetspot

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



57.1633, 45.6025, 85.9108



85.5964, 83.8413, 106.2793



44.1361, 43.1717, 86.1282



18.0556, 17.4958, 22.6754



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.



57.1633, 45.6025, 85.9108



62.9896, 46.6843, 100.2988



58.9936, 46.9244, 68.9002



15.4026, 15.1528, 19.0352



19.9945, 9.3435, 44.4926



1.6449, 0.7723, 3.4972

Inverse Universe

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



54.5263, 45.1375, 45.3757



59.6033, 46.1706, 44.4786



52.5309, 71.0738, 54.6680



15.1886, 15.1033, 16.2786



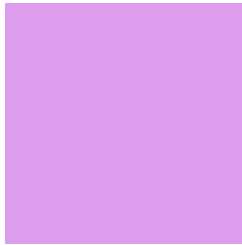
19.3894, 9.9585, 2.5862



1.5560, 0.7954, 0.3794

Previews

White Background



This preview shows how the XYZ color 57.1618, 45.6005, 85.9098 looks on a white background.

Color Contrast Check

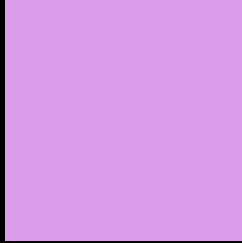
Large Text (above 18pt) WCAG AA × Fail

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 57.1618, 45.6005, 85.9098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

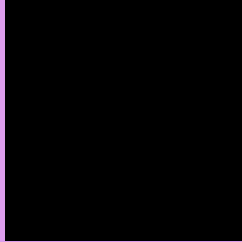
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.1618, 45.6005, 85.9098

Background



This preview shows how black text looks on a background with the XYZ color 57.1618, 45.6005, 85.9098.

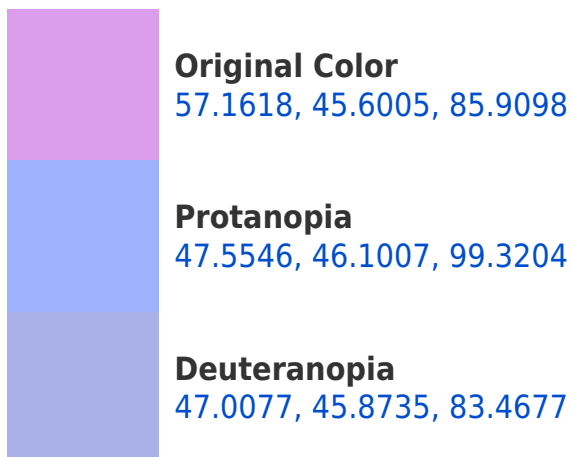


This preview shows how white text looks on a background with the XYZ color 57.1618, 45.6005,

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





Tritanopia

49.7837, 45.4876, 49.8722

Trichromacy



Original Color

57.1618, 45.6005, 85.9098



Protanomaly

49.9856, 45.1681, 94.0795



Deuteranomaly

50.2123, 45.5088, 83.9795



Tritanomaly

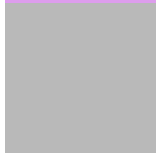
52.1370, 45.3669, 61.2671

Monochromacy



Original Color

57.1618, 45.6005, 85.9098



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

49.5178, 47.0253, 63.5937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.1618, 45.6005, 85.9098 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(221, 157, 237)` looks like.

```
.text, #text, p{  
    color:rgb(221, 157, 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(221, 157, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 157, 237) }
```

Border

The CSS property to change the border of an element to XYZ 57.1618, 45.6005, 85.9098 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(221, 157, 237) }
```


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

```
.border{ border-color:rgb(221, 157, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 157, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 157, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 157, 237);  
box-shadow:4px 4px 4px 4px rgb(221, 157,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 57.1618, 45.6005, 85.9098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 157, 237) }
```

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

```
.background{ background-color: rgb(221,  
157, 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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