

Converting Colors

XYZ(56.5784, 44.9184, 86.7893)

Have a look what the booklet for
XYZ(56.5784, 44.9184, 86.7893)
contains.

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Color

**XYZ(56.5345, 45.0100,
86.5970)**

Conversions

Conversions Part 1

Format	Color
Hex	DB9CEE
RGB	219, 156, 238
RGB Percent	86%, 61%, 93%
CMY	0.1412, 0.3882, 0.0667
CMYK	0.08, 0.34, 0.00, 0.07
HSL	286°, 71%, 77%
HSV	286°, 34%, 93%
XYZ	56.5345, 45.0100, 86.5970
YIQ	184.1850, 11.2260, 38.8580

Conversions

Conversions Part 2

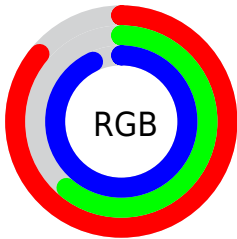
Format	Color
R _Y B	219, 156, 238
Decimal	14392558
CIE Lab	72.90, 37.31, -32.03
CIE LCh	73, 49.173, 319.359
Yxy	45.0100, 0.3005, 0.2392
Android (android.graphics.Color)	4292582638 (0xFFDB9CEE)
YUV	184.1850, 26.5308, 30.5328
Hunter-Lab	67.0895, 33.0105, -29.5670

Details

The XYZ color **56.5345, 45.0100, 86.5970** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **54.2559, 72.6644, 42.6205**, and the grayscale version is **45.5171, 47.8875, 52.1495**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **28.4981, 21.0646, 46.8198** is the 20% darker color. If you saturate the color by 10%, you get **51.2940, 36.9503, 85.3182**, and if you desaturate by 10%, it is **62.6154, 54.6667, 88.1411**.

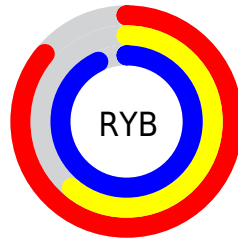
Distribution



Red (86%)

Green (61%)

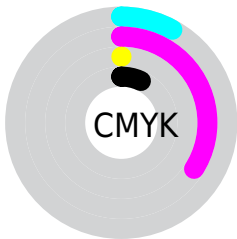
Blue (93%)



Red (86%)

Yellow (61%)

Blue (93%)

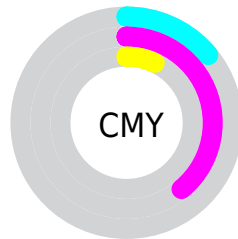


Cyan (8%)

Magenta (34%)

Yellow (0%)

Black (7%)



Cyan (14%)

Magenta (39%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5345, 45.0100, 86.5970 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 56.5345, 45.0100, 86.5970 by changing the saturation by 10% instead.

56.5345, 45.0100,
86.5970

56.5345, 45.0100,
86.5970

401.7452,
366.8141, 537.1795

40.8703, 31.4653,
64.6040

98.9209, 82.7354,
144.4962

28.4050, 20.9534,
46.6908

126.3739,
107.6849, 181.2395

18.7732, 13.0900,
32.4387

158.4871,
137.2048, 223.7367

11.6095, 7.4905,
21.4292

195.6260,
171.6795, 272.4063

6.5487, 3.7707,
13.2438

238.1559,
211.4934, 327.6668

3.2253, 1.5461,
7.4639

286.4421,

1.2740, 0.3209,

257.0308, 389.9368

3.6711

340.8501,
308.6763, 459.6349

■ 0.1636, 0.0000,
1.4467

■ 0.0000, 0.0000,
0.1777

■ 56.5345, 45.0100,
86.5970

■ 56.5345, 45.0100,
86.5970

■ 51.2940, 36.9503,
85.3182

■ 62.6154, 54.6667,
88.1411

■ 46.8429, 30.3897,
84.2865

■ 69.5749, 65.9993,
89.9617

■ 43.1315, 25.2285,
83.4859

■ 77.4541, 79.0881,
92.0729

■ 40.1023, 21.3524,
82.8974

■ 86.2901, 94.0069,
94.4867

■ 37.6884, 18.6286,
82.4989

■ 89.4007, 97.3900,
94.9758

■ 35.8083, 16.8946,
82.2633

■ 91.3700, 98.4052,
95.0680

■ 34.9268, 16.2226,
82.1800

■ 92.4327, 98.9531,
95.1177

Harmonies

Analogous

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



48.4756, 45.0100, 108.3391



56.5345, 45.0100, 86.5970



61.0947, 45.0100, 58.2447

Triad

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



56.5345, 45.0100, 86.5970



45.8947, 45.0100, 15.7312



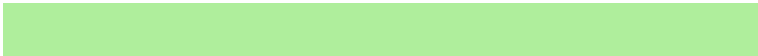
29.0473, 45.0100, 66.3654

Complementary

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



56.5345, 45.0100, 86.5970



54.2559, 72.6644, 42.6205

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.



28.5496, 45.0100, 40.8038



56.5345, 45.0100, 86.5970



37.5501, 45.0100, 16.6173

Square

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



56.5345, 45.0100, 86.5970



54.4295, 45.0100, 21.2227



31.4607, 45.0100, 24.2587



32.9251, 45.0100, 94.2200

Rectangle

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



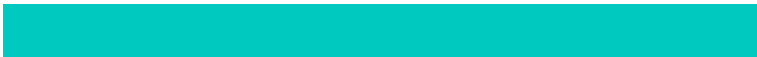
56.5345, 45.0100, 86.5970



61.1759, 45.0100, 41.7312



31.4607, 45.0100, 24.2587



28.5008, 45.0100, 57.0856

Sweetspot

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



56.5360, 45.0119, 86.5980



85.3074, 83.6923, 106.2658



44.5006, 43.9548, 87.0283



17.9854, 17.4596, 22.6721



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.



56.5360, 45.0119, 86.5980



61.9109, 46.1282, 100.2483



59.5616, 46.9206, 70.9747



16.0753, 15.8361, 19.9310



19.6044, 9.1119, 45.8534



1.7168, 0.8023, 3.8186

Inverse Universe

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



54.8876, 45.0510, 46.3620



59.9242, 46.2990, 46.1683



52.3088, 71.4271, 53.0810



15.9228, 15.8188, 17.1499



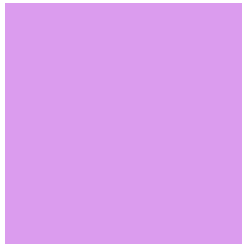
20.0991, 10.3121, 3.1727



1.7091, 0.8727, 0.4591

Previews

White Background



This preview shows how the XYZ color 56.5345, 45.0100, 86.5970 looks on a white background.

Color Contrast Check

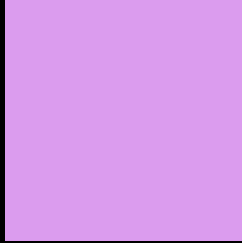
Large Text (above 18pt) WCAG AA × Fail

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 56.5345, 45.0100, 86.5970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

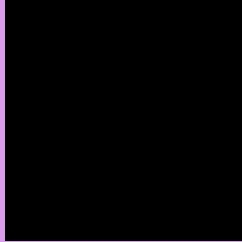
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.5345, 45.0100, 86.5970

Background



This preview shows how black text looks on a background with the XYZ color 56.5345, 45.0100, 86.5970.



This preview shows how white text looks on a background with the XYZ color 56.5345, 45.0100,

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

56.5345, 45.0100, 86.5970

Protanopia

47.1291, 45.5686, 100.0776

Deuteranopia

46.3130, 45.2067, 84.1267



Tritanopia

49.2071, 45.1903, 49.8452

Trichromacy



Original Color

56.5345, 45.0100, 86.5970



Protanomaly

49.4913, 44.6182, 94.8106



Deuteranomaly

49.4331, 44.8132, 84.6417



Tritanomaly

51.6677, 45.1113, 61.8613

Monochromacy



Original Color

56.5345, 45.0100, 86.5970



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

49.0611, 46.5021, 63.5167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5345, 45.0100, 86.5970 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, 156, 238)` looks like.

```
.text, #text, p{  
    color:rgb(219, 156, 238)  
}
```

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, 156, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 156, 238) }
```

Border

The CSS property to change the border of an element to XYZ 56.5345, 45.0100, 86.5970 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, 156, 238) }
```


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

```
.border{ border-color:rgb(219, 156, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 156, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 156, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 156, 238);  
box-shadow:4px 4px 4px 4px rgb(219, 156,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5345, 45.0100, 86.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 156, 238) }
```

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

```
.background{ background-color: rgb(219,  
156, 238) }
```

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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