

Converting Colors

XYZ(69.5598, 50.4025,
159.5243)

Have a look what the booklet for
XYZ(69.5598, 50.4025, 159.5243)
contains.

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Color

**XYZ(58.4259, 45.9329,
100.3943)**

Conversions

Conversions Part 1

Format	Color
Hex	D89DFF
RGB	216, 157, 255
RGB Percent	85%, 62%, 100%
CMY	0.1529, 0.3843, 0.0000
CMYK	0.15, 0.38, 0.00, 0.00
HSL	276°, 100%, 81%
HSV	276°, 38%, 100%
XYZ	58.4259, 45.9329, 100.3943
YIQ	185.8130, 3.7060, 42.9860

Conversions

Conversions Part 2

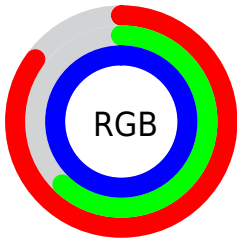
Format	Color
RYB	216, 157, 255
Decimal	14196223
CIELab	73.50, 39.35, -40.35
CIELCh	74, 56.359, 314.282
Yxy	45.9329, 0.2853, 0.2243
Android (android.graphics.Color)	4292386303 (0xFFD89DFF)
YUV	185.8130, 34.1092, 26.4740
Hunter-Lab	67.7738, 35.2757, -40.3854

Details

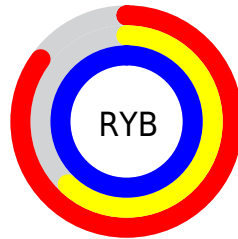
The XYZ color **58.4259, 45.9329, 100.3943** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.6116, 85.6905, 45.0348**, and the grayscale version is **46.3827, 48.7982, 53.1413**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **29.7418, 21.6540, 56.0381** is the 20% darker color. If you saturate the color by 10%, you get **51.6475, 36.6895, 98.9674**, and if you desaturate by 10%, it is **66.2926, 57.0759, 102.1305**.

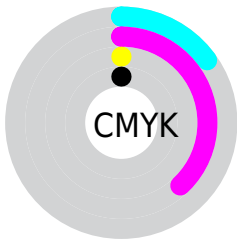
Distribution



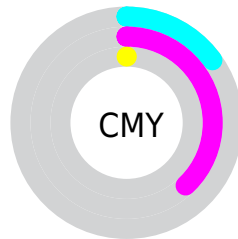
- Red (85%)
- Green (62%)
- Blue (100%)



- Red (85%)
- Yellow (62%)
- Blue (100%)



- Cyan (15%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4259, 45.9329, 100.3943 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 58.4259, 45.9329, 100.3943 by changing the saturation by 10% instead.


 58.4259, 45.9329,
100.3943


 58.4259, 45.9329,
100.3943


408.6994,
370.5388, 582.7136

 42.3957, 32.1929,
76.0112


 101.6622, 84.1186,
163.7555

 29.6037, 21.5089,
55.9349

 129.5991,
109.3330, 203.5707

 19.6846, 13.4965,
39.7471


162.2355,
139.1410, 249.3670

 12.2729, 7.7713,
27.0291

199.9370,
173.9270, 301.5629

 7.0033, 3.9490,
17.3625

243.0687,
214.0754, 360.5769

 3.5105, 1.6451,
10.3286

291.9961,

 1.4291, 0.3877,

259.9706, 426.8277

5.5089

347.0846,
311.9969, 500.7337

■ 0.2768, 0.0000,
2.4849

■ 0.0000, 0.0000,
0.8322

■ 58.4259, 45.9329,
100.3943

■ 58.4259, 45.9329,
100.3943

■ 51.6475, 36.6895,
98.9674

■ 66.2926, 57.0759,
102.1305

■ 45.8933, 29.2255,
97.8300

■ 75.2981, 70.2178,
104.1925

■ 41.0985, 23.4154,
96.9612

■ 85.4945, 85.4574,
106.5966

■ 37.1881, 19.1144,
96.3372

95.0500, 100.0000,
108.9000

■ 34.0738, 16.1513,
95.9294

■ 31.6333, 14.2870,
95.6981

■ 31.2857, 14.0432,
95.6694

Harmonies

Analogous

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



48.5504, 45.9329, 124.1297



58.4259, 45.9329, 100.3943



64.7877, 45.9329, 66.3746

Triad

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



58.4259, 45.9329, 100.3943



49.0489, 45.9329, 13.6358



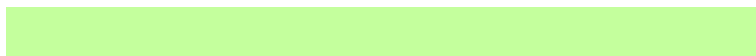
27.6167, 45.9329, 64.7865

Complementary

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



58.4259, 45.9329, 100.3943



64.6116, 85.6905, 45.0348

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.



27.7082, 45.9329, 36.5889



58.4259, 45.9329, 100.3943



39.1056, 45.9329, 13.4870

Square

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



58.4259, 45.9329, 100.3943



58.8384, 45.9329, 20.6804



31.6150, 45.9329, 20.1464



31.3425, 45.9329, 98.8579

Rectangle

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



58.4259, 45.9329, 100.3943



65.6528, 45.9329, 46.0318



31.6150, 45.9329, 20.1464



27.2222, 45.9329, 54.2177

Sweetspot

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



58.4274, 45.9347, 100.3946



81.7143, 79.7697, 105.6980



51.7412, 53.9599, 102.2960



17.2025, 16.6433, 22.5558



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.



58.4274, 45.9347, 100.3946



53.1981, 38.7674, 99.2867



69.8098, 51.9803, 92.9005



18.0522, 17.9187, 22.7571



16.5204, 7.4271, 49.9974



1.7317, 0.7867, 4.8738

Inverse Universe

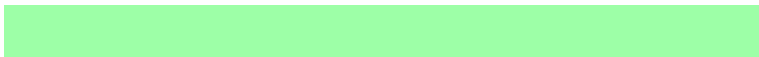
The Inverse Universe completely reimagines the original color for something new.



63.2617, 49.3610, 58.4191



58.9771, 42.8276, 50.7145



56.6224, 81.4713, 49.2055



18.3088, 18.1068, 20.2433



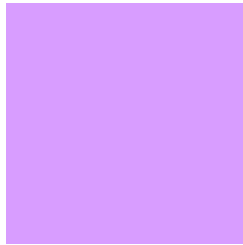
22.8571, 11.6321, 7.8977



2.2776, 1.1534, 1.0433

Previews

White Background



This preview shows how the XYZ color 58.4259, 45.9329, 100.3943 looks on a white background.

Color Contrast Check

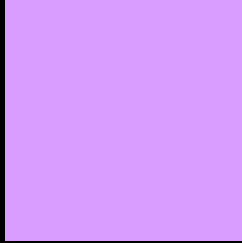
Large Text (above 18pt) WCAG AA × Fail

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 58.4259, 45.9329, 100.3943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

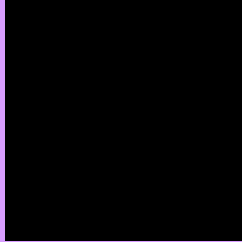
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4259, 45.9329, 100.3943

Background



This preview shows how black text looks on a background with the XYZ color 58.4259, 45.9329, 100.3943.



This preview shows how white text looks on a background with the XYZ color 58.4259, 45.9329,

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

58.4259, 45.9329, 100.3943

Protanopia

47.6807, 46.1287, 100.9984

Deuteranopia

47.6332, 46.4743, 97.7267



Tritanopia

48.6863, 45.9870, 52.2093

Trichromacy



Original Color

58.4259, 45.9329, 100.3943



Protanomaly

50.7848, 45.4344, 100.7008



Deuteranomaly

50.7240, 45.7378, 98.2503



Tritanomaly

51.7461, 45.8459, 67.0946

Monochromacy



Original Color

58.4259, 45.9329, 100.3943



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

50.1138, 47.2334, 68.1037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4259, 45.9329, 100.3943 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(216, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 157, 255)  
}
```

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(216, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 157, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.4259, 45.9329, 100.3943 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(216, 157, 255) }
```


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

```
.border{ border-color:rgb(216, 157, 255) }
```

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

Here you see how a box with a 4 pixel rgb(216, 157, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 157,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4259, 45.9329, 100.3943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 157, 255) }
```

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

```
.background{ background-color: rgb(216,  
157, 255) }
```

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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