

Converting Colors

XYZ(58.2599, 44.8591,
100.1958)

Have a look what the booklet for
XYZ(58.2599, 44.8591, 100.1958)
contains.

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Color

**XYZ(58.3547, 44.9079,
100.2002)**

Conversions

Conversions Part 1

Format	Color
Hex	DA99FF
RGB	218, 153, 255
RGB Percent	85%, 60%, 100%
CMY	0.1451, 0.4000, 0.0000
CMYK	0.15, 0.40, 0.00, 0.00
HSL	278°, 100%, 80%
HSV	278°, 40%, 100%
XYZ	58.3547, 44.9079, 100.2002
YIQ	184.0630, 5.9980, 45.5020

Conversions

Conversions Part 2

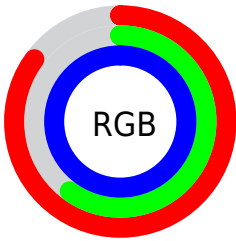
Format	Color
R _Y B	218, 153, 255
Decimal	14326271
CIE Lab	72.83, 42.07, -41.38
CIE LCh	73, 59.008, 315.473
Yxy	44.9079, 0.2868, 0.2207
Android (android.graphics.Color)	4292516351 (0xFFDA99FF)
YUV	184.0630, 34.9719, 29.7627
Hunter-Lab	67.0134, 38.1630, -41.7427

Details

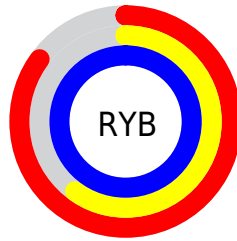
The XYZ color **58.3547, 44.9079, 100.2002** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.7458, 84.7674, 43.1936**, and the grayscale version is **45.4068, 47.7715, 52.0231**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **29.4482, 20.7686, 55.8827** is the 20% darker color. If you saturate the color by 10%, you get **51.9293, 36.0486, 98.8288**, and if you desaturate by 10%, it is **65.8291, 55.6338, 101.8766**.

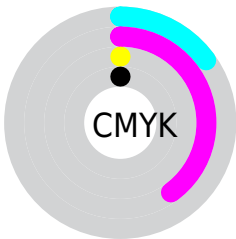
Distribution



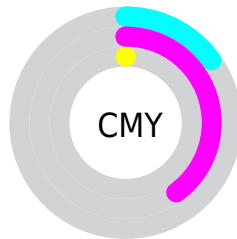
- Red (85%)
- Green (60%)
- Blue (100%)



- Red (85%)
- Yellow (60%)
- Blue (100%)



- Cyan (15%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3547, 44.9079, 100.2002 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 58.3547, 44.9079, 100.2002 by changing the saturation by 10% instead.


 58.3547, 44.9079,
100.2002


 58.3547, 44.9079,
100.2002


408.4389,
366.4004, 582.0865

 42.3382, 31.3849,
75.8499


 101.5592, 82.5822,
163.4866

 29.5585, 20.8921,
55.8035


 129.4780,
107.5023, 203.2597

 19.6501, 13.0452,
39.6425

162.0949,
136.9901, 249.0109

 12.2478, 7.4597,
26.9482

199.7753,
171.4302, 301.1587

 6.9860, 3.7512,
17.3023

242.8845,
211.2069, 360.1216

 3.4996, 1.5354,
10.2860

291.7880,

 1.4232, 0.3134,

256.7045, 426.3182

5.4809

346.8510,
308.3076, 500.1670

■ 0.2726, 0.0000,
2.4685

■ 0.0000, 0.0000,
0.8234

■ 58.3547, 44.9079,
100.2002

■ 58.3547, 44.9079,
100.2002

■ 51.9293, 36.0486,
98.8288

■ 65.8291, 55.6338,
101.8766

■ 46.4887, 28.9346,
97.7425

■ 74.4029, 68.3267,
103.8747

■ 41.9678, 23.4384,
96.9199

■ 84.1281, 83.0861,
106.2109

■ 38.2909, 19.4122,
96.3365

95.0500, 100.0000,
108.9000

■ 35.3677, 16.6798,
95.9632

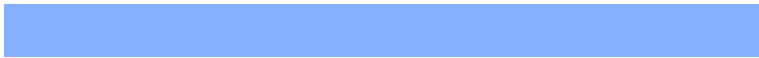
■ 33.0529, 14.9544,
95.7521

■ 33.0525, 14.9541,
95.7521

Harmonies

Analogous

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



48.1678, 44.9079, 126.0926



58.3547, 44.9079, 100.2002



64.7782, 44.9079, 64.4872

Triad

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



58.3547, 44.9079, 100.2002



47.8273, 44.9079, 12.0552



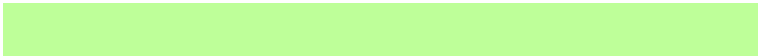
26.3499, 44.9079, 65.5780

Complementary

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



58.3547, 44.9079, 100.2002



62.7458, 84.7674, 43.1936

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.



26.2887, 44.9079, 36.0469



58.3547, 44.9079, 100.2002



37.6323, 44.9079, 12.1505

Square

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



58.3547, 44.9079, 100.2002



58.0712, 44.9079, 18.6589



30.1040, 44.9079, 19.0085



30.2870, 44.9079, 101.2693

Rectangle

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



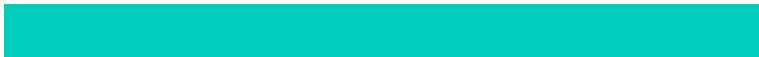
58.3547, 44.9079, 100.2002



65.4951, 44.9079, 43.7021



30.1040, 44.9079, 19.0085



25.8991, 44.9079, 54.4883

Sweetspot

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



58.3561, 44.9097, 100.2005



82.0869, 79.9618, 105.7155



49.6885, 50.9944, 101.8318



17.2904, 16.6886, 22.5599



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.



58.3561, 44.9097, 100.2005



53.1327, 37.6758, 99.0795



68.5691, 50.4187, 89.6510



18.1162, 17.9517, 22.7601



17.4401, 7.9012, 50.0405



1.8179, 0.8311, 4.8779

Inverse Universe

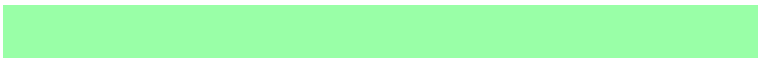
The Inverse Universe completely reimagines the original color for something new.



61.9264, 47.7617, 54.6713



57.5086, 41.1000, 46.4965



55.8362, 81.0681, 49.0723



18.2817, 18.0960, 20.1004



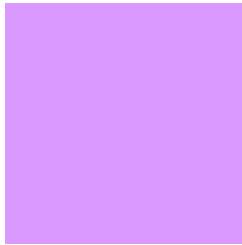
22.6346, 11.5431, 6.7262



2.2540, 1.1440, 0.9192

Previews

White Background



This preview shows how the XYZ color 58.3547, 44.9079, 100.2002 looks on a white background.

Color Contrast Check

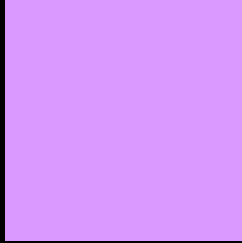
Large Text (above 18pt) WCAG AA × Fail

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 58.3547, 44.9079, 100.2002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

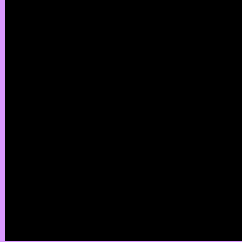
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.3547, 44.9079, 100.2002

Background



This preview shows how black text looks on a background with the XYZ color 58.3547, 44.9079, 100.2002.



This preview shows how white text looks on a background with the XYZ color 58.3547, 44.9079,

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

58.3547, 44.9079, 100.2002

Protanopia

46.9090, 45.4366, 100.9055

Deuteranopia

46.3039, 45.2164, 96.7296



Tritanopia

48.3636, 45.0187, 50.3964

Trichromacy



Original Color

58.3547, 44.9079, 100.2002



Protanomaly

50.1841, 44.5724, 100.5661



Deuteranomaly

49.7048, 44.3807, 98.0421

Tritanomaly

51.4698, 44.6467, 66.2265

Monochromacy



Original Color

58.3547, 44.9079, 100.2002



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

49.3414, 46.2760, 67.3044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3547, 44.9079, 100.2002 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(218, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 153, 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(218, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.3547, 44.9079, 100.2002 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(218, 153, 255) }
```


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

```
.border{ border-color:rgb(218, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3547, 44.9079, 100.2002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 153, 255) }
```

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

```
.background{ background-color: rgb(218,  
153, 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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