

Converting Colors

XYZ(74.7176, 50.4447,
184.2651)

Have a look what the booklet for
XYZ(74.7176, 50.4447, 184.2651)
contains.

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Color

**XYZ(58.9216, 44.2445,
100.0423)**

Conversions

Conversions Part 1

Format	Color
Hex	DE95FF
RGB	222, 149, 255
RGB Percent	87%, 58%, 100%
CMY	0.1294, 0.4157, 0.0000
CMYK	0.13, 0.42, 0.00, 0.00
HSL	281°, 100%, 79%
HSV	281°, 42%, 100%
XYZ	58.9216, 44.2445, 100.0423
YIQ	182.9110, 9.4820, 48.4420

Conversions

Conversions Part 2

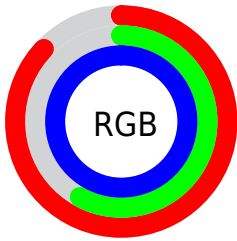
Format	Color
R _Y B	222, 149, 255
Decimal	14587391
CIE _{Lab}	72.39, 45.33, -42.03
CIE _{LCh}	72, 61.823, 317.163
Y _{xy}	44.2445, 0.2900, 0.2177
Android (android.graphics.Color)	4292777471 (0xFFDE95FF)
YUV	182.9110, 35.5399, 34.2811
Hunter-Lab	66.5165, 41.7147, -42.6119

Details

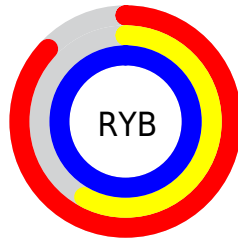
The XYZ color **58.9216, 44.2445, 100.0423** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **60.4772, 83.6355, 41.3915**, and the grayscale version is **44.7702, 47.1017, 51.2937**.

A 20% lighter version of the original color is **80.8829, 71.6657, 104.1776**, and **29.8930, 20.4423, 55.7963** is the 20% darker color. If you saturate the color by 10%, you get **52.9458, 35.8172, 98.7306**, and if you desaturate by 10%, it is **65.8978, 54.5006, 101.6542**.

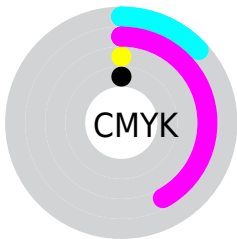
Distribution



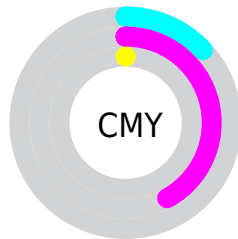
- Red (87%)
- Green (58%)
- Blue (100%)



- Red (87%)
- Yellow (58%)
- Blue (100%)



- Cyan (13%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9216, 44.2445, 100.0423 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 58.9216, 44.2445, 100.0423 by changing the saturation by 10% instead.


 58.9216, 44.2445,
100.0423

 58.9216, 44.2445,
100.0423


410.5100,
363.7051, 581.5761

 42.7961, 30.8628,
75.7188


 102.3790, 81.5855,
163.2677

 29.9190, 20.4944,
55.6967


 130.4416,
106.3136, 203.0067

 19.9249, 12.7549,
39.5574

163.2140,
135.5926, 248.7212

 12.4484, 7.2600,
26.8825

201.0616,
169.8069, 300.8298

 7.1242, 3.6252,
17.2533

244.3496,
209.3409, 359.7511

 3.5869, 1.4662,
10.2514

293.4434,

 1.4712, 0.2648,

254.5790, 425.9035

5.4582

348.7085,
305.9056, 499.7057

■ 0.3061, 0.0000,
2.4551

■ 0.0000, 0.0000,
0.8162

■ 58.9216, 44.2445,
100.0423

■ 58.9216, 44.2445,
100.0423

■ 52.9458, 35.8172,
98.7306

■ 65.8978, 54.5006,
101.6542

■ 47.9064, 29.0959,
97.6989

■ 73.9247, 66.6869,
103.5834

■ 43.7380, 23.9514,
96.9256

■ 83.0540, 80.9036,
105.8463

■ 40.3639, 20.2325,
96.3856

■ 93.3325, 97.2421,
108.4582

■ 37.6921, 17.7579,
96.0488

95.0500, 100.0000,
108.9000

■ 35.8675, 16.4052,
95.8838

Harmonies

Analogous

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



48.3879, 44.2445, 128.7098



58.9216, 44.2445, 100.0423



65.3371, 44.2445, 62.4097

Triad

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



58.9216, 44.2445, 100.0423



46.7672, 44.2445, 10.6403



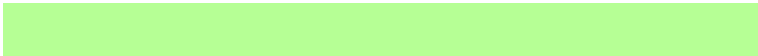
25.3692, 44.2445, 67.6294

Complementary

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



58.9216, 44.2445, 100.0423



60.4772, 83.6355, 41.3915

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.



25.0847, 44.2445, 36.2877



58.9216, 44.2445, 100.0423



36.2967, 44.2445, 11.0644

Square

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



58.9216, 44.2445, 100.0423



57.5638, 44.2445, 16.7037



28.7569, 44.2445, 18.2964



29.6135, 44.2445, 105.2234

Rectangle

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



58.9216, 44.2445, 100.0423



65.8103, 44.2445, 41.2276



28.7569, 44.2445, 18.2964



24.8362, 44.2445, 55.8615

Sweetspot

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



58.9230, 44.2463, 100.0425



82.6350, 80.2444, 105.7411



47.2902, 47.2998, 101.2451



17.4197, 16.7553, 22.5659



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.



58.9230, 44.2463, 100.0425



53.8188, 37.0219, 98.9171



67.0657, 48.7874, 84.9100



18.2102, 18.0001, 22.7645



18.9021, 8.6549, 50.1089



1.9529, 0.9007, 4.8842

Inverse Universe

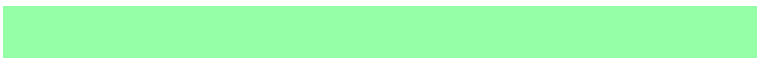
The Inverse Universe completely reimagines the original color for something new.



60.4320, 46.1339, 49.9770



55.8870, 39.3654, 41.3054



55.2640, 80.7535, 49.9339



18.2423, 18.0802, 19.8929



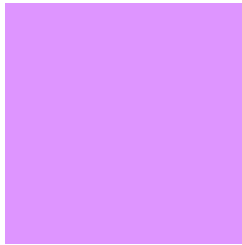
22.3523, 11.4302, 5.2395



2.2230, 1.1316, 0.7559

Previews

White Background



This preview shows how the XYZ color 58.9216, 44.2445, 100.0423 looks on a white background.

Color Contrast Check

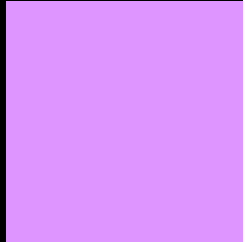
Large Text (above 18pt) WCAG AA × Fail

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 58.9216, 44.2445, 100.0423 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 58.9216, 44.2445, 100.0423

Background



This preview shows how black text looks on a background with the XYZ color 58.9216, 44.2445, 100.0423.



This preview shows how white text looks on a background with the XYZ color 58.9216, 44.2445,

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

58.9216, 44.2445, 100.0423

Protanopia

46.1425, 44.4593, 100.7573

Deuteranopia

45.7295, 44.6282, 96.6464



Tritanopia

48.3512, 44.2287, 48.6364

Trichromacy



Original Color

58.9216, 44.2445, 100.0423



Protanomaly

49.8177, 43.8395, 100.4439



Deuteranomaly

49.3384, 43.6478, 97.9199

Tritanomaly

51.5648, 43.9427, 64.7955

Monochromacy



Original Color

58.9216, 44.2445, 100.0423



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

49.0975, 45.5996, 66.5355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9216, 44.2445, 100.0423 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(222, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 149, 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(222, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.9216, 44.2445, 100.0423 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(222, 149, 255) }
```


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

```
.border{ border-color:rgb(222, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 149, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 149, 255); box-shadow:4px 4px 4px 4px rgb(222, 149, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9216, 44.2445, 100.0423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 149, 255) }
```

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

```
.background{ background-color: rgb(222,  
149, 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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