

Converting Colors

XYZ(55.8088, 38.9382, 99.1683)

Have a look what the booklet for
XYZ(55.8088, 38.9382, 99.1683)
contains.

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Color

**XYZ(55.8165, 38.9382,
99.1817)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DC84FF |
| RGB | 220, 132, 255 |
| RGB Percent | 86%, 52%, 100% |
| CMY | 0.1372, 0.4823, 0.0000 |
| CMYK | 0.14, 0.48, 0.00, 0.00 |
| HSL | 283°, 100%, 76% |
| HSV | 283°, 48%, 100% |
| XYZ | 55.8165, 38.9382, 99.1817 |
| YIQ | 172.3340, 12.9650, 56.9090 |

Conversions

Conversions Part 2

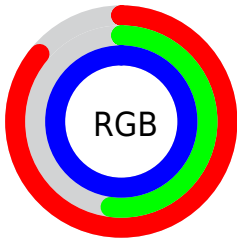
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 220, 132, 255 |
| Decimal | 14451967 |
| CIE Lab | 68.71, 53.59, -47.83 |
| CIE LCh | 69, 71.833, 318.253 |
| Yxy | 38.9382, 0.2878, 0.2008 |
| Android (android.graphics.Color) | 4292642047 (0xFFDC84FF) |
| YUV | 172.3340, 40.7543, 41.8031 |
| Hunter-Lab | 62.4005, 50.4653, -50.5574 |

Details

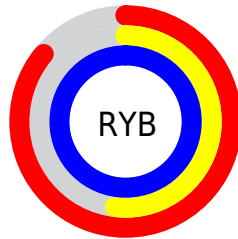
The XYZ color **55.8165, 38.9382, 99.1817** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.8619, 81.4018, 34.5993**, and the grayscale version is **39.1785, 41.2188, 44.8873**.

A 20% lighter version of the original color is **77.0603, 64.0206, 102.9034**, and **28.0933, 17.4557, 55.3147** is the 20% darker color. If you saturate the color by 10%, you get **50.6233, 31.7406, 98.0662**, and if you desaturate by 10%, it is **61.9526, 47.8779, 100.5838**.

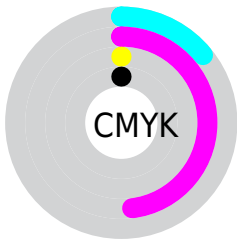
Distribution



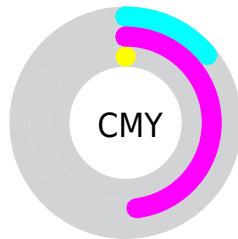
- Red (86%)
- Green (52%)
- Blue (100%)



- Red (86%)
- Yellow (52%)
- Blue (100%)



- Cyan (14%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (14%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8165, 38.9382, 99.1817 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 55.8165, 38.9382, 99.1817 by changing the saturation by 10% instead.


 55.8165, 38.9382,
99.1817


 55.8165, 38.9382,
99.1817


399.0858,
341.6277, 578.7902

 40.2922, 26.7117,
75.0042

 97.8776, 73.5439,
162.0743

 27.9517, 17.3568,
55.1146


 125.1451, 96.6918,
201.6264

 18.4295, 10.4892,
39.0943


 157.0578,
124.2490, 247.1406

 11.3603, 5.7245,
26.5247

193.9810,
156.5999, 299.0353

 6.3788, 2.6783,
16.9873

236.2801,
194.1288, 357.7291

 3.1196, 0.9662,
10.0636

284.3203,

 1.2173, 0.0000,

237.2201, 423.6404

5.3350

338.4671,
286.2583, 497.1880

■ 0.1200, 0.0000,
2.3830

■ 0.0000, 0.0000,
0.7771

■ 55.8165, 38.9382,
99.1817

■ 55.8165, 38.9382,
99.1817

■ 50.6233, 31.7406,
98.0662

■ 61.9526, 47.8779,
100.5838

■ 46.3052, 26.1546,
97.2155

■ 69.0852, 58.6684,
102.2907

■ 42.7909, 22.0383,
96.6062

■ 77.2681, 71.4147,
104.3197

■ 39.9950, 19.2224,
96.2101

■ 86.5502, 86.2127,
106.6868

■ 37.7998, 17.4740,
95.9883

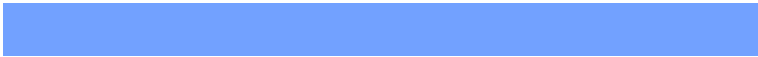
95.0500, 100.0000,
108.9000

■ 37.4458, 17.2189,
95.9577

Harmonies

Analogous

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



44.2818, 38.9382, 133.8798



55.8165, 38.9382, 99.1817



62.7798, 38.9382, 56.4509

Triad

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



55.8165, 38.9382, 99.1817



41.6371, 38.9382, 5.9082



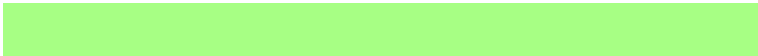
19.8995, 38.9382, 65.1656

Complementary

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



55.8165, 38.9382, 99.1817



55.8619, 81.4018, 34.5993

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.



19.4782, 38.9382, 30.8938



55.8165, 38.9382, 99.1817



30.5806, 38.9382, 6.4161

Square

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



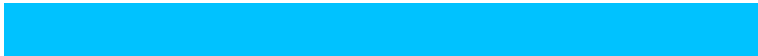
55.8165, 38.9382, 99.1817



53.5425, 38.9382, 10.7551



22.9872, 38.9382, 12.8952



24.2873, 38.9382, 108.2955

Rectangle

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



55.8165, 38.9382, 99.1817



63.1093, 38.9382, 34.0358



22.9872, 38.9382, 12.8952



19.3279, 38.9382, 52.0265

Sweetspot

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



55.8178, 38.9398, 99.1819



81.0609, 77.4238, 105.2797



41.7364, 40.4658, 100.2187



16.9313, 15.9064, 22.4278



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.



55.8178, 38.9398, 99.1819



50.7344, 31.8898, 98.0891



63.8312, 43.4995, 80.1904



18.2594, 18.0255, 22.7668



19.7204, 9.0767, 50.1472



2.0276, 0.9392, 4.8877

Inverse Universe

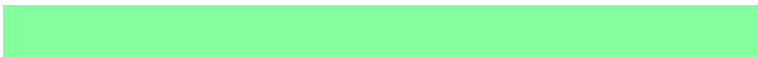
The Inverse Universe completely reimagines the original color for something new.



56.4671, 40.5538, 41.4117



51.9476, 33.9721, 32.3302



51.3284, 78.8467, 44.2348



18.2218, 18.0721, 19.7854



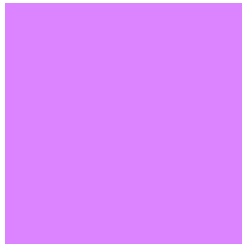
22.2245, 11.3791, 4.5669



2.2085, 1.1258, 0.6792

Previews

White Background



This preview shows how the XYZ color 55.8165, 38.9382, 99.1817 looks on a white background.

Color Contrast Check

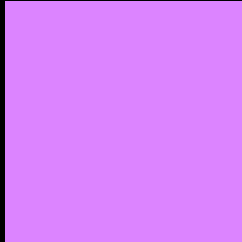
Large Text (above 18pt) WCAG AA × Fail

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 55.8165, 38.9382, 99.1817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

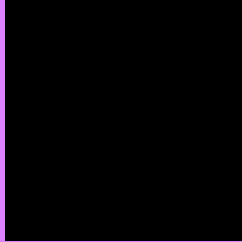
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.8165, 38.9382, 99.1817

Background



This preview shows how black text looks on a background with the XYZ color 55.8165, 38.9382, 99.1817.



This preview shows how white text looks on a background with the XYZ color 55.8165, 38.9382,

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

55.8165, 38.9382, 99.1817

Protanopia

41.4968, 39.2812, 100.0026

Deuteranopia

40.4349, 39.4013, 94.2810



Tritanopia

43.9149, 38.7645, 40.7650

Trichromacy



Original Color

55.8165, 38.9382, 99.1817



Protanomaly

45.1671, 38.1095, 99.5830



Deuteranomaly

44.4852, 38.0756, 96.2715

Tritanomaly

47.4698, 38.3251, 58.3216

Monochromacy



Original Color

55.8165, 38.9382, 99.1817



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

43.7039, 39.1970, 61.1395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8165, 38.9382, 99.1817 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(220, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 132, 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(220, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 132, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.8165, 38.9382, 99.1817 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(220, 132, 255) }
```


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

```
.border{ border-color:rgb(220, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 132,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8165, 38.9382, 99.1817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 132, 255) }
```

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

```
.background{ background-color: rgb(220,  
132, 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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