

Converting Colors

XYZ(55.2684, 38.7768, 99.1794)

Have a look what the booklet for
XYZ(55.2684, 38.7768, 99.1794)
contains.

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Color

**XYZ(55.3510, 38.9005,
99.1990)**

Conversions

Conversions Part 1

Format	Color
Hex	DA85FF
RGB	218, 133, 255
RGB Percent	85%, 52%, 100%
CMY	0.1451, 0.4784, 0.0000
CMYK	0.15, 0.48, 0.00, 0.00
HSL	282°, 100%, 76%
HSV	282°, 48%, 100%
XYZ	55.3510, 38.9005, 99.1990
YIQ	172.3230, 11.4980, 55.9620

Conversions

Conversions Part 2

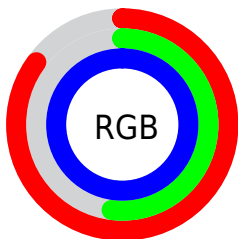
Format	Color
RYB	218, 133, 255
Decimal	14321151
CIELab	68.68, 52.54, -47.89
CIElCh	69, 71.092, 317.655
Yxy	38.9005, 0.2861, 0.2011
Android (android.graphics.Color)	4292511231 (0xFFDA85FF)
YUV	172.3230, 40.7598, 40.0587
Hunter-Lab	62.3703, 49.2633, -50.6407

Details

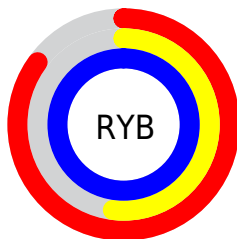
The XYZ color **55.3510, 38.9005, 99.1990** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **56.5719, 81.7598, 34.9915**, and the grayscale version is **39.1734, 41.2135, 44.8815**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **27.7596, 17.3916, 55.3199** is the 20% darker color. If you saturate the color by 10%, you get **50.0155, 31.5820, 98.0676**, and if you desaturate by 10%, it is **61.6443, 47.9722, 100.6183**.

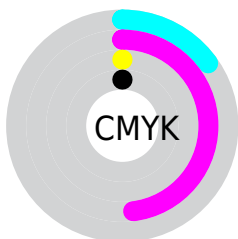
Distribution



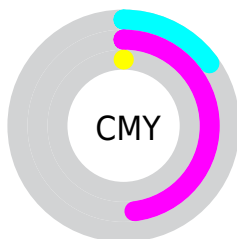
- Red (85%)
- Green (52%)
- Blue (100%)



- Red (85%)
- Yellow (52%)
- Blue (100%)



- Cyan (15%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3510, 38.9005, 99.1990 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 55.3510, 38.9005, 99.1990 by changing the saturation by 10% instead.


 55.3510, 38.9005,
99.1990

 55.3510, 38.9005,
99.1990

397.3559,
341.4673, 578.8463


 39.9178, 26.6823,
75.0186


 97.2004, 73.4863,
162.0983

 27.6584, 17.3348,
55.1263

 124.3472, 96.6227,
201.6542

 18.2074, 10.4735,
39.1036


 156.1293,
124.1673, 247.1724

 11.1996, 5.7140,
26.5319

192.9120,
156.5045, 299.0714

 6.2695, 2.6720,
16.9926

235.0606,
194.0187, 357.7698

 3.0519, 0.9630,
10.0673

282.9406,

 1.1813, 0.0000,

237.0943, 423.6860

5.3374

336.9172,
286.1157, 497.2386

■ 0.0915, 0.0000,
2.3844

■ 0.0000, 0.0000,
0.7779

■ 55.3510, 38.9005,
99.1990

■ 55.3510, 38.9005,
99.1990

■ 50.0155, 31.5820,
98.0676

■ 61.6443, 47.9722,
100.6183

■ 45.5700, 25.8867,
97.2026

■ 68.9491, 58.9055,
102.3436

■ 41.9434, 21.6733,
96.5804

■ 77.3192, 71.8053,
104.3924

■ 39.0505, 18.7737,
96.1732

■ 86.8037, 86.7671,
106.7804

■ 36.7778, 16.9632, 95.0500, 100.0000,
95.9436 108.9000

■ 36.3336, 16.6456,
95.9057

Harmonies

Analogous

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



43.9209, 38.9005, 132.9051



55.3510, 38.9005, 99.1990



62.3494, 38.9005, 57.0094

Triad

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



55.3510, 38.9005, 99.1990



41.7878, 38.9005, 6.1053



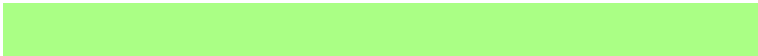
19.9712, 38.9005, 64.0296

Complementary

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



55.3510, 38.9005, 99.1990



56.5719, 81.7598, 34.9915

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.



19.6296, 38.9005, 30.4570



55.3510, 38.9005, 99.1990



30.8008, 38.9005, 6.5223

Square

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



55.3510, 38.9005, 99.1990



53.5193, 38.9005, 11.1087



23.1941, 38.9005, 12.8537



24.2468, 38.9005, 106.5209

Rectangle

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



55.3510, 38.9005, 99.1990



62.7853, 38.9005, 34.6368



23.1941, 38.9005, 12.8537



19.4290, 38.9005, 51.1446

Sweetspot

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



55.3523, 38.9021, 99.1992



80.8282, 77.3038, 105.2688



42.4070, 41.5737, 100.3972



16.8743, 15.8771, 22.4252



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.



55.3523, 38.9021, 99.1992



50.4292, 32.1335, 98.1522



64.2839, 43.8986, 81.9022



18.2250, 18.0077, 22.7652



19.1439, 8.7795, 50.1202



1.9750, 0.9121, 4.8852

Inverse Universe

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



56.8840, 40.9386, 42.9350



52.5885, 34.6606, 34.3726



51.3811, 78.8859, 43.6921



18.2361, 18.0778, 19.8605



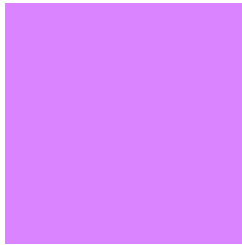
22.3125, 11.4143, 5.0302



2.2185, 1.1298, 0.7323

Previews

White Background



This preview shows how the XYZ color 55.3510, 38.9005, 99.1990 looks on a white background.

Color Contrast Check

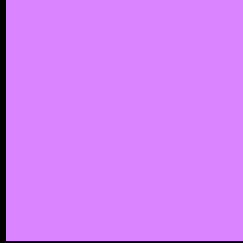
Large Text (above 18pt) WCAG AA × Fail

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 55.3510, 38.9005, 99.1990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

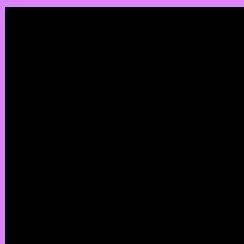
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.3510, 38.9005, 99.1990

Background



This preview shows how black text looks on a background with the XYZ color 55.3510, 38.9005, 99.1990.



This preview shows how white text looks on a background with the XYZ color 55.3510, 38.9005,

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

55.3510, 38.9005, 99.1990

Protanopia

41.4968, 39.2812, 100.0026

Deuteranopia

40.2777, 39.3203, 94.2736



Tritanopia

43.6154, 38.8435, 41.2752

Trichromacy



Original Color

55.3510, 38.9005, 99.1990



Protanomaly

44.9583, 38.0018, 99.5733



Deuteranomaly

44.2382, 38.1943, 96.3074

Tritanomaly

47.0503, 38.3366, 58.3460

Monochromacy



Original Color

55.3510, 38.9005, 99.1990



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

43.8738, 39.5368, 61.1961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3510, 38.9005, 99.1990 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, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 133, 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, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.3510, 38.9005, 99.1990 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, 133, 255) }
```


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

```
.border{ border-color:rgb(218, 133, 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, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3510, 38.9005, 99.1990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 133, 255) }
```

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

```
.background{ background-color: rgb(218,  
133, 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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