

Converting Colors

XYZ(55.9306, 41.2869, 99.6290)

Have a look what the booklet for
XYZ(55.9306, 41.2869, 99.6290)
contains.

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Color

**XYZ(55.8968, 41.3120,
99.6357)**

Conversions

Conversions Part 1

Format	Color
Hex	D78FFF
RGB	215, 143, 255
RGB Percent	84%, 56%, 100%
CMY	0.1569, 0.4392, 0.0000
CMYK	0.16, 0.44, 0.00, 0.00
HSL	279°, 100%, 78%
HSV	279°, 44%, 100%
XYZ	55.8968, 41.3120, 99.6357
YIQ	177.2960, 6.9600, 50.0960

Conversions

Conversions Part 2

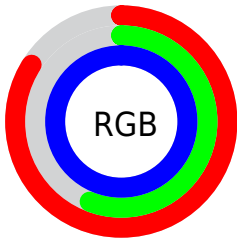
Format	Color
R_{YB}	215, 143, 255
Decimal	14127103
CIE _{Lab}	70.39, 46.52, -45.21
CIE _{LCh}	70, 64.874, 315.816
Yxy	41.3120, 0.2840, 0.2099
Android (android.graphics.Color)	4292317183 (0xFFD78FFF)
YUV	177.2960, 38.3081, 33.0664
Hunter-Lab	64.2744, 42.7539, -46.9170

Details

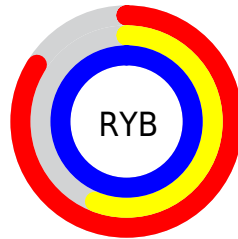
The XYZ color **55.8968, 41.3120, 99.6357** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **60.2471, 83.5708, 38.9437**, and the grayscale version is **41.7491, 43.9233, 47.8325**.

A 20% lighter version of the original color is **79.4841, 68.8682, 103.7114**, and **27.9498, 18.6586, 55.5544** is the 20% darker color. If you saturate the color by 10%, you get **49.8948, 33.1673, 98.3799**, and if you desaturate by 10%, it is **62.9203, 51.2766, 101.1889**.

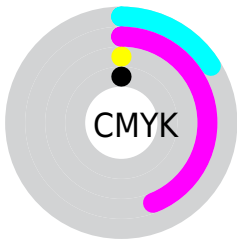
Distribution



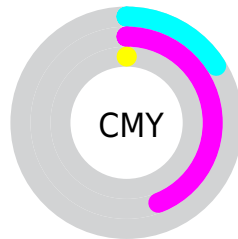
- Red (84%)
- Green (56%)
- Blue (100%)



- Red (84%)
- Yellow (56%)
- Blue (100%)



- Cyan (16%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8968, 41.3120, 99.6357 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 55.8968, 41.3120, 99.6357 by changing the saturation by 10% instead.


 55.8968, 41.3120,
99.6357


 55.8968, 41.3120,
99.6357


399.3838,
351.6229, 580.2608

 40.3569, 28.5630,
75.3811


 97.9944, 77.1573,
162.7040

 28.0023, 18.7505,
55.4216

 125.2827,
101.0223, 202.3548

 18.4679, 11.4901,
39.3385


157.2179,
129.3615, 247.9747

 11.3881, 6.3975,
26.7133

194.1652,
162.5592, 299.9824

 6.3978, 3.0883,
17.1275

236.4902,
200.9998, 358.7963

 3.1314, 1.1780,
10.1625

284.5580,

 1.2236, 0.0436,

245.0677, 424.8349

5.3998

338.7341,
295.1472, 498.5169

■ 0.1249, 0.0000,
2.4209

■ 0.0000, 0.0000,
0.7978

■ 55.8968, 41.3120,
99.6357

■ 55.8968, 41.3120,
99.6357

■ 49.8948, 33.1673,
98.3799

■ 62.9203, 51.2766,
101.1889

■ 44.8482, 26.7168,
97.4008

■ 71.0177, 63.1655,
103.0569

■ 40.6885, 21.8266,
96.6762

■ 80.2423, 77.0811,
105.2566

■ 37.3353, 18.3393,
96.1798

■ 90.6425, 93.1166,
107.8037

■ 34.6908, 16.0629,
95.8798

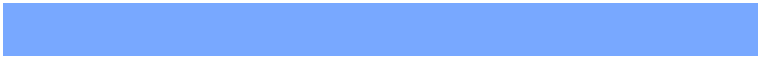
95.0500, 100.0000,
108.9000

■ 33.3455, 15.1051,
95.7658

Harmonies

Analogous

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



45.1286, 41.3120, 128.5336



55.8968, 41.3120, 99.6357



62.7112, 41.3120, 60.9747

Triad

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



55.8968, 41.3120, 99.6357



44.5121, 41.3120, 8.6749



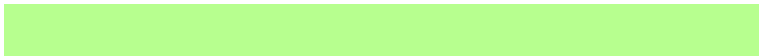
22.6458, 41.3120, 62.9764

Complementary

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



55.8968, 41.3120, 99.6357



60.2471, 83.5708, 38.9437

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.



22.5412, 41.3120, 32.0626



55.8968, 41.3120, 99.6357



33.9341, 41.3120, 8.8203

Square

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



55.8968, 41.3120, 99.6357



55.3755, 41.3120, 14.6286



26.3117, 41.3120, 15.1955



26.6294, 41.3120, 101.6603

Rectangle

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



55.8968, 41.3120, 99.6357



63.4244, 41.3120, 39.2852



26.3117, 41.3120, 15.1955



22.1839, 41.3120, 51.2039

Sweetspot

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



55.8982, 41.3136, 99.6359



81.1492, 78.4662, 105.4762



46.5333, 47.3698, 101.2985



16.9071, 16.0901, 22.4645



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.



55.8982, 41.3136, 99.6359



50.4061, 33.8439, 98.4836



66.8013, 47.2015, 88.0804



18.1264, 17.9569, 22.7606



17.5925, 7.9797, 50.0476



1.8321, 0.8384, 4.8785

Inverse Universe

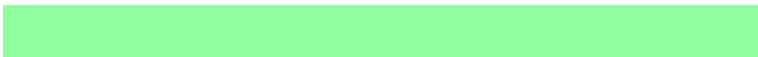
The Inverse Universe completely reimagines the original color for something new.



59.6105, 44.3252, 50.2145



55.0172, 37.4884, 41.4391



53.2546, 79.8265, 44.9206



18.2774, 18.0943, 20.0777



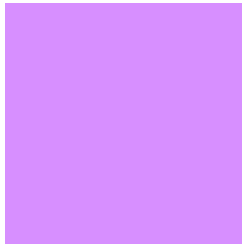
22.6014, 11.5299, 6.5515



2.2505, 1.1426, 0.9004

Previews

White Background



This preview shows how the XYZ color 55.8968, 41.3120, 99.6357 looks on a white background.

Color Contrast Check

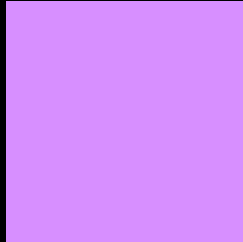
Large Text (above 18pt) WCAG AA × Fail

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 55.8968, 41.3120, 99.6357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

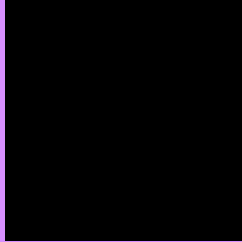
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.8968, 41.3120, 99.6357

Background



This preview shows how black text looks on a background with the XYZ color 55.8968, 41.3120, 99.6357.



This preview shows how white text looks on a background with the XYZ color 55.8968, 41.3120,

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

55.8968, 41.3120, 99.6357

Protanopia

43.7524, 41.8091, 100.3717

Deuteranopia

42.8027, 41.6907, 96.2336



Tritanopia

44.7420, 41.1023, 45.6198

Trichromacy



Original Color

55.8968, 41.3120, 99.6357



Protanomaly

46.9830, 40.7966, 100.0060



Deuteranomaly

46.4640, 40.8428, 97.5300

Tritanomaly

48.0672, 40.6884, 61.8201

Monochromacy



Original Color

55.8968, 41.3120, 99.6357



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

45.9604, 42.3944, 63.5182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8968, 41.3120, 99.6357 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(215, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 143, 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(215, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 143, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.8968, 41.3120, 99.6357 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(215, 143, 255) }
```


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

```
.border{ border-color:rgb(215, 143, 255) }
```

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

Here you see how a box with a 4 pixel rgb(215, 143, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 143,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8968, 41.3120, 99.6357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 143, 255) }
```

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

```
.background{ background-color: rgb(215,  
143, 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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