

Converting Colors

XYZ(58.4224, 46.9597,
118.1718)

Have a look what the booklet for
XYZ(58.4224, 46.9597, 118.1718)
contains.

XYZ(55.2346, 45.8319, 100.5430)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.2346, 45.8319,
100.5430)**

Conversions

Conversions Part 1

Format	Color
Hex	C9A3FF
RGB	201, 163, 255
RGB Percent	79%, 64%, 100%
CMY	0.2118, 0.3608, 0.0000
CMYK	0.21, 0.36, 0.00, 0.00
HSL	265°, 100%, 82%
HSV	265°, 36%, 100%
XYZ	55.2346, 45.8319, 100.5430
YIQ	184.8500, -6.8840, 36.6680

Conversions

Conversions Part 2

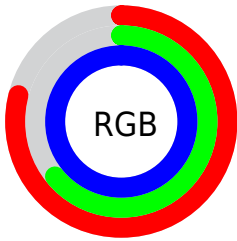
Format	Color
R _Y B	201, 163, 255
Decimal	13214719
CIE Lab	73.44, 31.75, -40.56
CIE LCh	73, 51.504, 308.053
Yxy	45.8319, 0.2740, 0.2273
Android (android.graphics.Color)	4291404799 (0xFFC9A3FF)
YUV	184.8500, 34.5840, 14.1636
Hunter-Lab	67.6993, 27.1612, -40.6646

Details

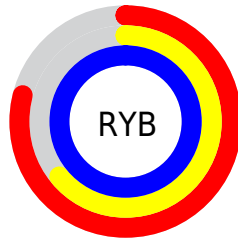
The XYZ color **55.2346, 45.8319, 100.5430** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.9868, 88.9164, 48.0733**, and the grayscale version is **45.8488, 48.2365, 52.5296**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **27.5545, 21.4658, 56.1171** is the 20% darker color. If you saturate the color by 10%, you get **47.3258, 35.6985, 99.0039**, and if you desaturate by 10%, it is **64.4511, 57.9965, 102.4052**.

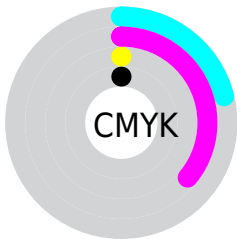
Distribution



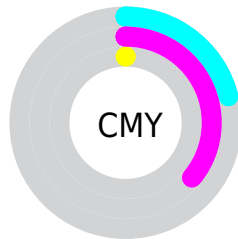
- Red (79%)
- Green (64%)
- Blue (100%)



- Red (79%)
- Yellow (64%)
- Blue (100%)



- Cyan (21%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2346, 45.8319, 100.5430 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 55.2346, 45.8319, 100.5430 by changing the saturation by 10% instead.

55.2346, 45.8319,
100.5430

55.2346, 45.8319,
100.5430

396.9226,
370.1324, 583.1937

39.8242, 32.1132,
76.1347

97.0309, 83.9674,
163.9616

27.5851, 21.4480,
56.0356

124.1475,
109.1529, 203.8089

18.1520, 13.4518,
39.8273

155.8969,
138.9295, 249.6397

11.1595, 7.7404,
27.0912

192.6443,
173.6816, 301.8724

6.2423, 3.9293,
17.4087

234.7553,
213.7935, 360.9256

3.0350, 1.6341,
10.3613

282.5951,

1.1723, 0.3804,

259.6497, 427.2179

5.5304

336.5290,
311.6345, 501.1677

■ 0.0843, 0.0000,
2.4976

■ 0.0000, 0.0000,
0.8389

■ 55.2346, 45.8319,
100.5430

■ 55.2346, 45.8319,
100.5430

■ 47.3258, 35.6985,
99.0039

■ 64.4511, 57.9965,
102.4052

■ 40.6541, 27.4748,
97.7682

■ 75.0323, 72.2936,
104.6072

■ 35.1481, 21.0344,
96.8153

■ 87.0368, 88.8241,
107.1652

■ 30.7262, 16.2324,
96.1215

95.0500, 100.0000,
108.9000

■ 27.2948, 12.9002,
95.6591

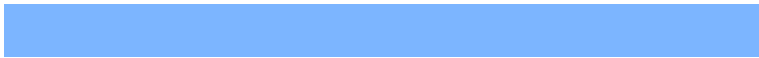
■ 24.7393, 10.8296,
95.3942

■ 23.9143, 10.2431,
95.3244

Harmonies

Analogous

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



46.0538, 45.8319, 117.5936



55.2346, 45.8319, 100.5430



61.8463, 45.8319, 71.0226

Triad

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



55.2346, 45.8319, 100.5430



50.4189, 45.8319, 16.4077



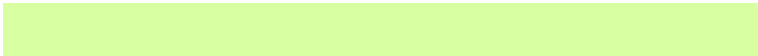
28.4601, 45.8319, 57.2408

Complementary

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



55.2346, 45.8319, 100.5430



70.9868, 88.9164, 48.0733

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.



29.2911, 45.8319, 33.4499



55.2346, 45.8319, 100.5430



41.1615, 45.8319, 14.9610

Square

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



55.2346, 45.8319, 100.5430



58.8078, 45.8319, 24.9913



33.6616, 45.8319, 19.9759



31.2088, 45.8319, 87.5062

Rectangle

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



55.2346, 45.8319, 100.5430



63.4456, 45.8319, 51.6216



33.6616, 45.8319, 19.9759



28.3382, 45.8319, 48.2232

Sweetspot

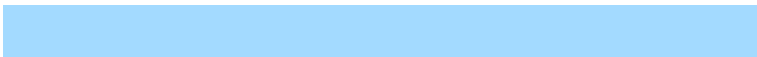
The Sweet Spot groups the original color and five complimentary colors.



55.2361, 45.8337, 100.5433



80.9456, 80.4009, 105.8604



58.2788, 65.2544, 104.1315



16.9799, 16.7335, 22.5849



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.



55.2361, 45.8337, 100.5433



49.6246, 38.6078, 99.4443



69.0839, 52.9725, 101.1913



17.7137, 17.7441, 22.7413



12.6556, 5.4347, 49.8166



1.3528, 0.5913, 4.8561

Inverse Universe

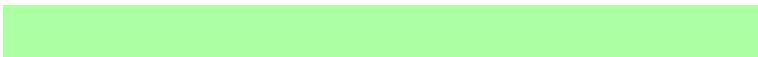
The Inverse Universe completely reimagines the original color for something new.



66.8624, 52.4656, 72.2492



63.0156, 46.2566, 66.3901



59.4292, 82.9582, 47.5325



18.4567, 18.1660, 21.0220



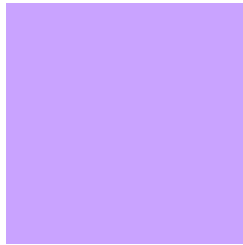
24.4876, 12.2843, 16.4840



2.4387, 1.2178, 1.8914

Previews

White Background



This preview shows how the XYZ color 55.2346, 45.8319, 100.5430 looks on a white background.

Color Contrast Check

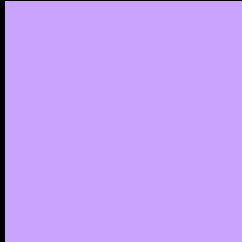
Large Text (above 18pt) WCAG AA × Fail

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 55.2346, 45.8319, 100.5430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

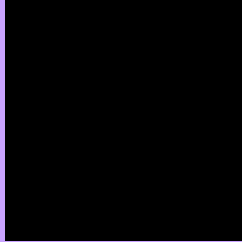
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.2346, 45.8319, 100.5430

Background



This preview shows how black text looks on a background with the XYZ color 55.2346, 45.8319, 100.5430.



This preview shows how white text looks on a background with the XYZ color 55.2346, 45.8319,

100.5430.

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

55.2346, 45.8319, 100.5430

Protanopia

47.6807, 46.1287, 100.9984

Deuteranopia

47.2014, 45.9370, 98.4744



Tritanopia

46.0548, 45.7155, 55.1118

Trichromacy



Original Color

55.2346, 45.8319, 100.5430

Protanomaly

50.0068, 45.8778, 100.8274

Deuteranomaly

49.6864, 45.7496, 99.1403

Tritanomaly

48.9486, 45.4502, 69.8112

Monochromacy



Original Color

55.2346, 45.8319, 100.5430

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

48.8409, 47.1738, 67.5040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2346, 45.8319, 100.5430 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(201, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 163, 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(201, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.2346, 45.8319, 100.5430 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(201, 163, 255) }
```


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

```
.border{ border-color:rgb(201, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 163,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2346, 45.8319, 100.5430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 163, 255) }
```

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

```
.background{ background-color: rgb(201,  
163, 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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