

Converting Colors

XYZ(45.5023, 35.3481, 99.0324)

Have a look what the booklet for
XYZ(45.5023, 35.3481, 99.0324)
contains.

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Color

**XYZ(45.5595, 35.3233,
99.0246)**

Conversions

Conversions Part 1

Format	Color
Hex	B18CFF
RGB	177, 140, 255
RGB Percent	69%, 55%, 100%
CMY	0.3059, 0.4510, 0.0000
CMYK	0.31, 0.45, 0.00, 0.00
HSL	259°, 100%, 77%
HSV	259°, 45%, 100%
XYZ	45.5595, 35.3233, 99.0246
YIQ	164.1730, -14.8630, 43.6090

Conversions

Conversions Part 2

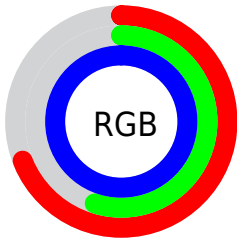
Format	Color
R_{YB}	177, 140, 255
Decimal	11635967
CIE _{Lab}	66.00, 37.86, -52.39
CIE _{LCh}	66, 64.641, 305.852
Yxy	35.3233, 0.2532, 0.1963
Android (android.graphics.Color)	4289826047 (0xFFB18CFF)
YUV	164.1730, 44.7777, 11.2493
Hunter-Lab	59.4334, 32.8232, -57.1823

Details

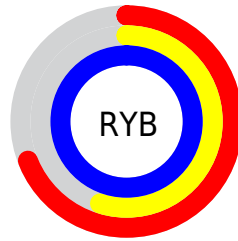
The XYZ color **45.5595, 35.3233, 99.0246** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **69.4073, 88.3190, 38.2013**, and the grayscale version is **35.1687, 37.0002, 40.2932**.

A 20% lighter version of the original color is **71.6027, 63.4657, 103.0840**, and **21.6506, 15.2869, 55.2356** is the 20% darker color. If you saturate the color by 10%, you get **38.5631, 26.8120, 97.7505**, and if you desaturate by 10%, it is **53.9209, 45.8210, 100.6101**.

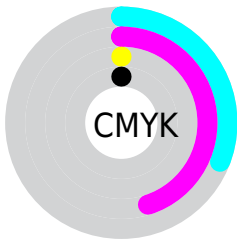
Distribution



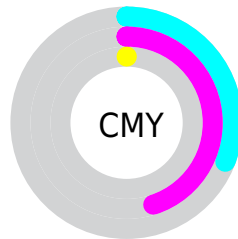
- Red (69%)
- Green (55%)
- Blue (100%)



- Red (69%)
- Yellow (55%)
- Blue (100%)



- Cyan (31%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5595, 35.3233, 99.0246 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 45.5595, 35.3233, 99.0246 by changing the saturation by 10% instead.


 45.5595, 35.3233,
99.0246

 45.5595, 35.3233,
99.0246

359.7805,
325.9931, 578.2808


 32.1015, 23.9120,
74.8739

 82.7913, 67.9863,
161.8563

 21.5950, 15.2684,
55.0084


 107.2958, 90.0068,
201.3743

 13.6745, 9.0080,
39.0098


 136.2131,
116.3326, 246.8518

 7.9748, 4.7464,
26.4595

169.9087,
147.3479, 298.7074

 4.1305, 2.0992,
16.9389

208.7479,
183.4372, 357.3595

 1.7762, 0.6642,
10.0294

253.0960,

 0.5033, 0.0000,

224.9849, 423.2268

5.3126

303.3185,
272.3754, 496.7277

■ 0.0000, 0.0000,
2.3699

■ 0.0000, 0.0000,
0.7700

■ 45.5595, 35.3233,
99.0246

■ 45.5595, 35.3233,
99.0246

■ 38.5631, 26.8120,
97.7505

■ 53.9209, 45.8210,
100.6101

■ 32.8489, 20.1526,
96.7663

■ 63.7160, 58.4198,
102.5257

■ 28.3300, 15.1998,
96.0484

■ 75.0128, 73.2298,
104.7889

■ 24.9059, 11.7834,
95.5695

■ 87.8740, 90.3524,
107.4160

■ 22.4555, 9.6954,
95.2956

95.0500, 100.0000,
108.9000

■ 21.5337, 9.0159,
95.2130

Harmonies

Analogous

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



35.4872, 35.3233, 118.4301



45.5595, 35.3233, 99.0246



53.3435, 35.3233, 64.3313

Triad

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



45.5595, 35.3233, 99.0246



41.6874, 35.3233, 7.6131



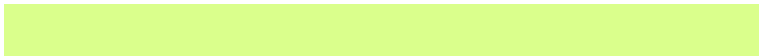
18.3808, 35.3233, 44.0947

Complementary

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



45.5595, 35.3233, 99.0246



69.4073, 88.3190, 38.2013

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.



19.4141, 35.3233, 20.6643



45.5595, 35.3233, 99.0246



31.7304, 35.3233, 6.2317

Square

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



45.5595, 35.3233, 99.0246



50.8268, 35.3233, 15.0983



23.8993, 35.3233, 9.5901



20.7471, 35.3233, 78.3724

Rectangle

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



45.5595, 35.3233, 99.0246



55.5011, 35.3233, 42.4045



23.8993, 35.3233, 9.5901



18.3489, 35.3233, 34.7700

Sweetspot

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



45.5607, 35.3246, 99.0248



76.3459, 74.9931, 105.0590



54.0890, 63.2421, 103.9639



15.7837, 15.3148, 22.3741



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.



45.5607, 35.3246, 99.0248



39.2664, 27.6527, 97.8757



61.3331, 43.4555, 99.7629



17.5532, 17.6614, 22.7338



11.3890, 4.7817, 49.7573



1.2173, 0.5215, 4.8498

Inverse Universe

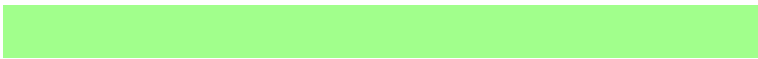
The Inverse Universe completely reimagines the original color for something new.



63.2734, 45.0791, 71.6959



59.3560, 38.7405, 65.7772



55.2091, 80.9995, 37.5368



18.5294, 18.1951, 21.4051



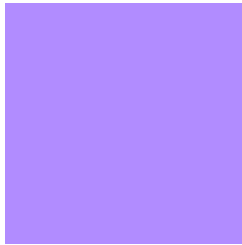
25.5590, 12.7129, 22.1259



2.5386, 1.2578, 2.4175

Previews

White Background



This preview shows how the XYZ color 45.5595, 35.3233, 99.0246 looks on a white background.

Color Contrast Check

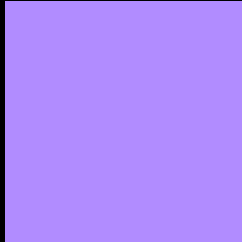
Large Text (above 18pt) WCAG AA × Fail

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 45.5595, 35.3233, 99.0246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

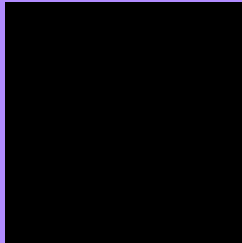
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5595, 35.3233, 99.0246

Background



This preview shows how black text looks on a background with the XYZ color 45.5595, 35.3233, 99.0246.



This preview shows how white text looks on a background with the XYZ color 45.5595, 35.3233,

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

45.5595, 35.3233, 99.0246

Protanopia

38.1330, 35.4715, 99.4446

Deuteranopia

36.6655, 35.5514, 96.1964



Tritanopia

34.2460, 35.2101, 43.5194

Trichromacy



Original Color

45.5595, 35.3233, 99.0246

Protanomaly

40.2719, 35.1040, 99.2609

Deuteranomaly

39.1153, 35.0450, 96.7982

Tritanomaly

37.6148, 34.8277, 60.6170

Monochromacy



Original Color

45.5595, 35.3233, 99.0246

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.1616, 35.9089, 57.7431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5595, 35.3233, 99.0246 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(177, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 140, 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(177, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 140, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.5595, 35.3233, 99.0246 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(177, 140, 255) }
```


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

```
.border{ border-color:rgb(177, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 140,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5595, 35.3233, 99.0246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 140, 255) }
```

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

```
.background{ background-color: rgb(177,  
140, 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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