

Converting Colors

XYZ(45.8952, 44.5105,
100.7802)

Have a look what the booklet for
XYZ(45.8952, 44.5105, 100.7802)
contains.

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Color

**XYZ(45.9698, 44.6602,
100.8052)**

Conversions

Conversions Part 1

Format	Color
Hex	95B0FF
RGB	149, 176, 255
RGB Percent	58%, 69%, 100%
CMY	0.4157, 0.3098, 0.0000
CMYK	0.42, 0.31, 0.00, 0.00
HSL	225°, 100%, 79%
HSV	225°, 42%, 100%
XYZ	45.9698, 44.6602, 100.8052
YIQ	176.9330, -41.4510, 18.8450

Conversions

Conversions Part 2

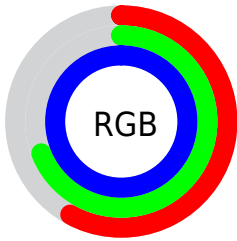
Format	Color
R_{YB}	149, 171, 255
Decimal	9810175
CIE _{Lab}	72.67, 10.29, -42.05
CIE _{LCh}	73, 43.292, 283.750
Yxy	44.6602, 0.2401, 0.2333
Android (android.graphics.Color)	4288000255 (0xFF95B0FF)
YUV	176.9330, 38.4870, -24.4972
Hunter-Lab	66.8283, 5.8370, -42.6545

Details

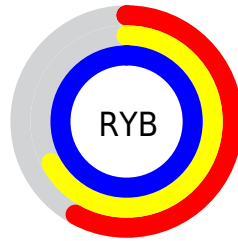
The XYZ color **45.9698, 44.6602, 100.8052** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **74.4092, 78.9181, 39.7468**, and the grayscale version is **41.5761, 43.7413, 47.6343**.

A 20% lighter version of the original color is **72.0795, 77.4936, 105.7665**, and **21.9149, 20.8197, 56.2896** is the 20% darker color. If you saturate the color by 10%, you get **38.3474, 35.5815, 99.4545**, and if you desaturate by 10%, it is **55.1351, 55.3105, 102.3778**.

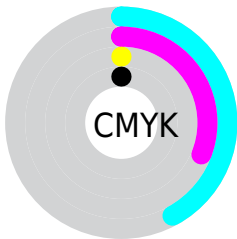
Distribution



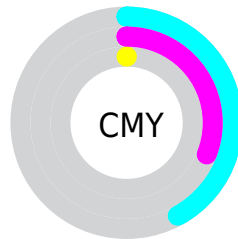
- Red (58%)
- Green (69%)
- Blue (100%)



- Red (58%)
- Yellow (67%)
- Blue (100%)



- Cyan (42%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9698, 44.6602, 100.8052 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 45.9698, 44.6602, 100.8052 by changing the saturation by 10% instead.

■ 45.9698, 44.6602,
100.8052

■ 45.9698, 44.6602,
100.8052

361.4052,
365.3956, 584.0399

■ 32.4265, 31.1899,
76.3525

■ 83.4019, 82.2103,
164.3248

■ 21.8446, 20.7435,
56.2132

■ 108.0215,
107.0588, 204.2288

■ 13.8587, 12.9366,
39.9688

137.0639,
136.4688, 250.1203

■ 8.1035, 7.3849,
27.2006

170.8944,
170.8248, 302.4179

■ 4.2136, 3.7040,
17.4902

209.8784,
210.5110, 361.5401

■ 1.8237, 1.5094,
10.4189

254.3813,

■ 0.5319, 0.2953,

255.9120, 427.9055

5.5684

304.7685,
307.4121, 501.9326

■ 0.0000, 0.0000,
2.5199

■ 0.0000, 0.0000,
0.8507

■ 45.9698, 44.6602,
100.8052

■ 45.9698, 44.6602,
100.8052

■ 38.3474, 35.5815,
99.4545

■ 55.1351, 55.3105,
102.3778

■ 32.1750, 27.9919,
98.3149

■ 65.9205, 67.5996,
104.1814

■ 27.3557, 21.8080,
97.3753

■ 78.4029, 81.5966,
106.2252

■ 23.7781, 16.9355,
96.6234

■ 92.6530, 97.3651,
108.5178

■ 21.3109, 13.2666, 95.0500, 100.0000,
96.0452 108.9000

■ 19.9375, 10.9949,
95.6792

Harmonies

Analogous

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



38.5382, 44.6602, 100.0484



45.9698, 44.6602, 100.8052



53.2248, 44.6602, 84.9905

Triad

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



45.9698, 44.6602, 100.8052



53.7441, 44.6602, 25.2891



30.0511, 44.6602, 37.9588

Complementary

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



45.9698, 44.6602, 100.8052



74.4092, 78.9181, 39.7468

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.



33.2342, 44.6602, 24.4735



45.9698, 44.6602, 100.8052



46.6141, 44.6602, 18.7718

Square

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



45.9698, 44.6602, 100.8052



58.0578, 44.6602, 39.4545



39.1112, 44.6602, 18.5254



29.9218, 44.6602, 59.1220

Rectangle

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



45.9698, 44.6602, 100.8052



56.7442, 44.6602, 69.2834



39.1112, 44.6602, 18.5254



30.7808, 44.6602, 32.5485

Sweetspot

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



45.9712, 44.6618, 100.8054



77.8259, 80.9538, 106.1315



61.9839, 83.4414, 85.3201



16.2899, 16.9170, 22.6567



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.



45.9712, 44.6618, 100.8054



39.4436, 36.9035, 99.6519



46.1953, 37.6850, 99.4469



17.3790, 18.1296, 22.8333



10.5179, 5.9453, 50.0278



1.1071, 0.7450, 4.8987

Inverse Universe

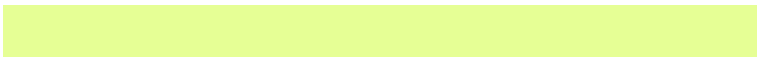
The Inverse Universe completely reimagines the original color for something new.



59.8250, 45.8912, 46.7805



55.2371, 39.1054, 37.8831



73.9044, 90.5574, 42.0200



18.1992, 18.0630, 19.6661



22.0971, 11.3281, 3.8960



2.1934, 1.1198, 0.6001

Previews

White Background



This preview shows how the XYZ color 45.9698, 44.6602, 100.8052 looks on a white background.

Color Contrast Check

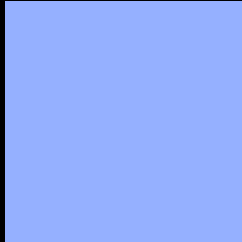
Large Text (above 18pt) WCAG AA × Fail

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 45.9698, 44.6602, 100.8052 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 45.9698, 44.6602, 100.8052

Background



This preview shows how black text looks on a background with the XYZ color 45.9698, 44.6602, 100.8052.



This preview shows how white text looks on a background with the XYZ color 45.9698, 44.6602,

100.8052.

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

45.9698, 44.6602, 100.8052

Protanopia

46.3562, 44.5880, 99.9290

Deuteranopia

45.7881, 44.5666, 100.7967



Tritanopia

38.0932, 44.4858, 61.8372

Trichromacy



Original Color

45.9698, 44.6602, 100.8052

Protanomaly

46.1683, 44.4911, 99.9202

Deuteranomaly

45.7881, 44.5666, 100.7967

Tritanomaly

40.5943, 44.2518, 74.8085

Monochromacy



Original Color

45.9698, 44.6602, 100.8052

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.6779, 44.0675, 64.0141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9698, 44.6602, 100.8052 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(149, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 176, 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(149, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.9698, 44.6602, 100.8052 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(149, 176, 255) }
```


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

```
.border{ border-color:rgb(149, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9698, 44.6602, 100.8052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 176, 255) }
```

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

```
.background{ background-color: rgb(149,  
176, 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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