

Converting Colors

XYZ(44.6919, 45.1644,
101.7742)

Have a look what the booklet for
XYZ(44.6919, 45.1644, 101.7742)
contains.

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Color

**XYZ(44.5246, 45.0968,
100.9656)**

Conversions

Conversions Part 1

Format	Color
Hex	88B4FF
RGB	136, 180, 255
RGB Percent	53%, 71%, 100%
CMY	0.4666, 0.2941, 0.0000
CMYK	0.47, 0.29, 0.00, 0.00
HSL	218°, 100%, 77%
HSV	218°, 47%, 100%
XYZ	44.5246, 45.0968, 100.9656
YIQ	175.3940, -50.2990, 13.9970

Conversions

Conversions Part 2

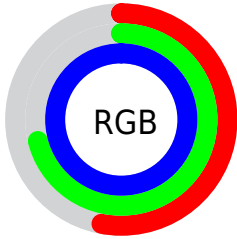
Format	Color
RYB	136, 168, 255
Decimal	8959231
CIELab	72.96, 4.89, -41.66
CIELCh	73, 41.944, 276.697
Yxy	45.0968, 0.2336, 0.2366
Android (android.graphics.Color)	4287149311 (0xFF88B4FF)
YUV	175.3940, 39.2458, -34.5485
Hunter-Lab	67.1542, 0.8295, -42.1340

Details

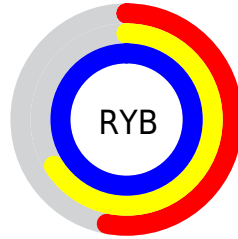
The XYZ color **44.5246, 45.0968, 100.9656** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.9791, 69.6274, 33.0983**, and the grayscale version is **40.7746, 42.8981, 46.7160**.

A 20% lighter version of the original color is **70.2936, 78.6802, 106.0897**, and **21.0541, 21.1353, 56.3959** is the 20% darker color. If you saturate the color by 10%, you get **37.8066, 37.0939, 99.7750**, and if you desaturate by 10%, it is **52.6067, 54.3631, 102.3282**.

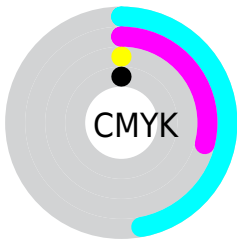
Distribution



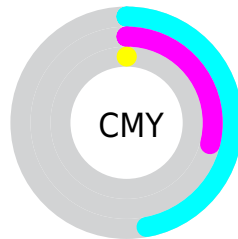
- Red (53%)
- Green (71%)
- Blue (100%)



- Red (53%)
- Yellow (66%)
- Blue (100%)



- Cyan (47%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5246, 45.0968, 100.9656 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 44.5246, 45.0968, 100.9656 by changing the saturation by 10% instead.

■ 44.5246, 45.0968,
100.9656

■ 44.5246, 45.0968,
100.9656

355.6609,
367.1655, 584.5572

■ 31.2828, 31.5337,
76.4858

■ 81.2480, 82.8657,
164.5469

■ 20.9672, 21.0056,
56.3219

■ 105.4604,
107.8402, 204.4856

■ 13.2123, 13.1281,
40.0554

■ 134.0603,
137.3873, 250.4143

■ 7.6529, 7.5168,
27.2676

167.4132,
171.8914, 302.7515

■ 3.9236, 3.7873,
17.5401

205.8843,
211.7368, 361.9159

■ 1.6590, 1.5553,
10.4543

249.8391,

■ 0.4304, 0.3272,

257.3081, 428.3259

5.5917

299.6428,
308.9895, 502.4002

■ 0.0000, 0.0000,
2.5337

■ 0.0000, 0.0000,
0.8579

■ 44.5246, 45.0968,
100.9656

■ 44.5246, 45.0968,
100.9656

■ 37.8066, 37.0939,
99.7750

■ 52.6067, 54.3631,
102.3282

■ 32.3647, 30.2874,
98.7480

■ 62.1248, 64.9454,
103.8691

■ 28.1063, 24.6105,
97.8767

■ 73.1505, 76.8988,
105.5952

■ 24.9227, 19.9858,
97.1518

■ 85.7493, 90.2734,
107.5128

■ 22.6797, 16.3214,
96.5627

95.0500, 100.0000,
108.9000

■ 22.0781, 15.2762,
96.3927

Harmonies

Analogous

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



37.5358, 45.0968, 96.1739



44.5246, 45.0968, 100.9656



51.8307, 45.0968, 89.0053

Triad

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



44.5246, 45.0968, 100.9656



55.1602, 45.0968, 28.7486



31.1984, 45.0968, 34.8278

Complementary

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



44.5246, 45.0968, 100.9656



68.9791, 69.6274, 33.0983

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.



34.9947, 45.0968, 23.3664



44.5246, 45.0968, 100.9656



48.6722, 45.0968, 20.6182

Square

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



44.5246, 45.0968, 100.9656



58.4068, 45.0968, 44.5529



41.2436, 45.0968, 18.9753



30.3553, 45.0968, 53.9522

Rectangle

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



44.5246, 45.0968, 100.9656



55.7275, 45.0968, 74.7103



41.2436, 45.0968, 18.9753



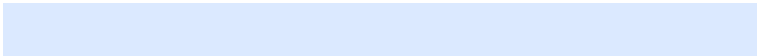
32.1486, 45.0968, 30.1382

Sweetspot

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



44.5260, 45.0984, 100.9658



76.3513, 80.3217, 106.0872



57.4706, 81.3772, 73.2504



15.7857, 16.5972, 22.6215



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.



44.5260, 45.0984, 100.9658



38.2126, 37.5880, 99.8489



39.4119, 31.3032, 98.5726



17.5531, 18.4777, 22.8914



11.6666, 8.2428, 50.4107



1.2362, 1.0031, 4.9417

Inverse Universe

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



58.2834, 42.1652, 48.2484



53.8478, 35.6091, 39.6323



76.5200, 92.0191, 37.0229



18.2871, 18.0981, 20.1288



22.6770, 11.5601, 6.9493



2.2586, 1.1458, 0.9431

Previews

White Background



This preview shows how the XYZ color 44.5246, 45.0968, 100.9656 looks on a white background.

Color Contrast Check

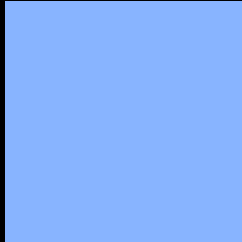
Large Text (above 18pt) WCAG AA × Fail

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 44.5246, 45.0968, 100.9656 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

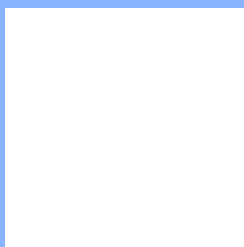
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.5246, 45.0968, 100.9656

Background



This preview shows how black text looks on a background with the XYZ color 44.5246, 45.0968, 100.9656.



This preview shows how white text looks on a background with the XYZ color 44.5246, 45.0968,

100.9656.

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

44.5246, 45.0968, 100.9656

Protanopia

46.6136, 45.0475, 98.3337

Deuteranopia

46.1666, 45.0538, 100.8708



Tritanopia

37.3181, 45.2996, 64.5344

Trichromacy



Original Color

44.5246, 45.0968, 100.9656

Protanomaly

45.6645, 44.8320, 99.1752

Deuteranomaly

45.4720, 44.9901, 100.8951

Tritanomaly

39.4824, 44.8811, 76.3940

Monochromacy



Original Color

44.5246, 45.0968, 100.9656

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.3192, 43.3810, 63.3224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5246, 45.0968, 100.9656 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(136, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 180, 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(136, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.5246, 45.0968, 100.9656 is called "border". The border property can be set on classes, ids or directly on the HTML element.

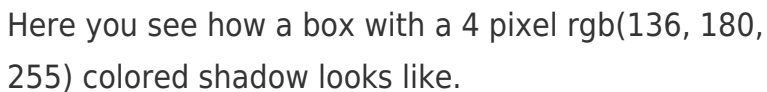
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 180, 255) }
```


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

```
.border{ border-color:rgb(136, 180, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(136, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 180, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 180, 255); box-shadow:4px 4px 4px 4px rgb(136, 180, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5246, 45.0968, 100.9656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 180, 255) }
```

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

```
.background{ background-color: rgb(136,  
180, 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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