

Converting Colors

XYZ(51.5561, 50.4949,
131.4696)

Have a look what the booklet for
XYZ(51.5561, 50.4949, 131.4696)
contains.

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Color

**XYZ(45.8647, 48.2548,
101.5045)**

Conversions

Conversions Part 1

Format	Color
Hex	86BCFF
RGB	134, 188, 255
RGB Percent	53%, 74%, 100%
CMY	0.4745, 0.2627, 0.0000
CMYK	0.47, 0.26, 0.00, 0.00
HSL	213°, 100%, 76%
HSV	213°, 47%, 100%
XYZ	45.8647, 48.2548, 101.5045
YIQ	179.4920, -53.6910, 9.3890

Conversions

Conversions Part 2

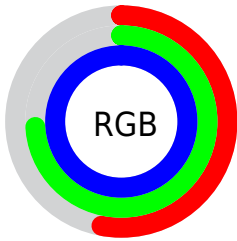
Format	Color
RYB	134, 171, 255
Decimal	8830207
CIELab	74.99, -0.00, -38.50
CIELCh	75, 38.505, 270.000
Yxy	48.2548, 0.2345, 0.2467
Android (android.graphics.Color)	4287020287 (0xFF86BCFF)
YUV	179.4920, 37.2254, -39.8965
Hunter-Lab	69.4657, -3.7103, -38.0096

Details

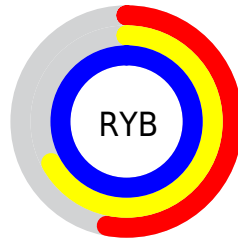
The XYZ color **45.8647, 48.2548, 101.5045** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.4305, 64.7556, 31.5539**, and the grayscale version is **42.9396, 45.1758, 49.1964**.

A 20% lighter version of the original color is **72.1389, 83.1278, 106.8509**, and **21.7587, 22.9010, 56.6996** is the 20% darker color. If you saturate the color by 10%, you get **39.4095, 40.6669, 100.3801**, and if you desaturate by 10%, it is **53.5978, 56.9414, 102.7736**.

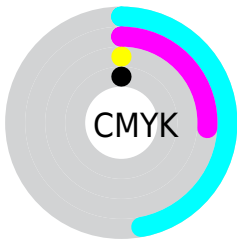
Distribution



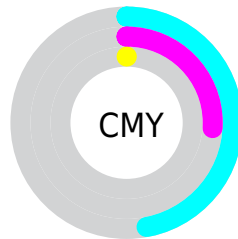
- Red (53%)
- Green (74%)
- Blue (100%)



- Red (53%)
- Yellow (67%)
- Blue (100%)



- Cyan (47%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8647, 48.2548, 101.5045 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 45.8647, 48.2548, 101.5045 by changing the saturation by 10% instead.

■ 45.8647, 48.2548,
101.5045

■ 45.8647, 48.2548,
101.5045

360.9895,
379.8012, 586.2934

■ 32.3432, 34.0287,
76.9337

■ 83.2456, 87.5837,
165.2930

■ 21.7806, 22.9157,
56.6873

■ 107.8357,
113.4552, 205.3479

■ 13.8115, 14.5312,
40.3465

■ 136.8461,
143.9774, 251.4012

■ 8.0705, 8.4911,
27.4930

170.6421,
179.5346, 303.8715

■ 4.1923, 4.4107,
17.7081

209.5891,
220.5111, 363.1773

■ 1.8115, 1.9059,
10.5734

254.0524,

■ 0.5246, 0.5519,

267.2915, 429.7372

5.6702

304.3974,
320.2601, 503.9697

■ 0.0000, 0.0000,
2.5801

■ 0.0000, 0.0000,
0.8821

■ 45.8647, 48.2548,
101.5045

■ 45.8647, 48.2548,
101.5045

■ 39.4095, 40.6669,
100.3801

■ 53.5978, 56.9414,
102.7736

■ 34.1476, 34.1189,
99.3936

■ 62.6769, 66.7711,
104.1924

■ 29.9903, 28.5529,
98.5383

■ 73.1702, 77.7915,
105.7665

■ 26.8327, 23.9009,
97.8068

■ 85.1397, 90.0457,
107.5010

■ 24.5399, 20.0789,
97.1900

95.0500, 100.0000,
108.9000

■ 24.0450, 19.2100,
97.0483

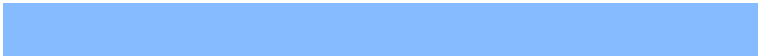
Harmonies

Analogous

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



39.4362, 48.2548, 93.6745



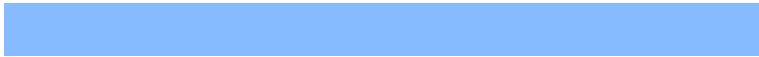
45.8647, 48.2548, 101.5045



52.9564, 48.2548, 93.6747

Triad

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



45.8647, 48.2548, 101.5045



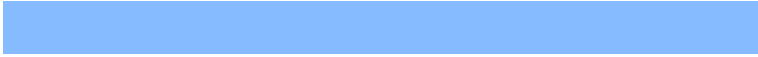
58.5871, 48.2548, 35.4736



35.1319, 48.2548, 35.4734

Complementary

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



45.8647, 48.2548, 101.5045



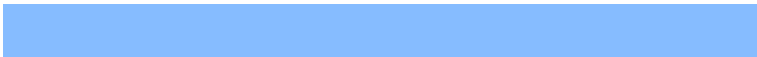
66.4305, 64.7556, 31.5539

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.



39.4363, 48.2548, 25.6528



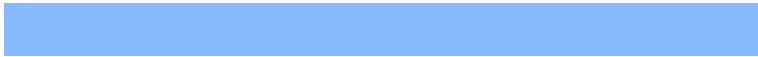
45.8647, 48.2548, 101.5045



52.9565, 48.2548, 25.6529

Square

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



45.8647, 48.2548, 101.5045



60.7438, 48.2548, 52.5414



45.8648, 48.2548, 22.5712



33.6384, 48.2548, 52.5412

Rectangle

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



45.8647, 48.2548, 101.5045



57.0113, 48.2548, 81.5407



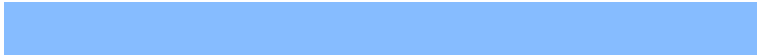
45.8648, 48.2548, 22.5712



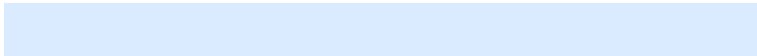
36.2749, 48.2548, 31.3894

Sweetspot

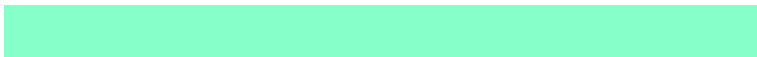
The Sweet Spot groups the original color and five complimentary colors.



45.8662, 48.2565, 101.5048



77.1286, 81.8764, 106.3464



56.0823, 80.7848, 67.6198



15.9742, 16.9742, 22.6844



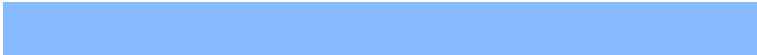
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.8662, 48.2565, 101.5048



39.6731, 40.9849, 100.4276



37.4003, 29.8518, 98.3985



17.6704, 18.7123, 22.9305



12.7078, 10.3251, 50.7578



1.3443, 1.2194, 4.9778

Inverse Universe

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



58.8432, 41.9426, 52.5730



54.4688, 35.4127, 44.2738



79.1126, 93.3720, 36.4090



18.3463, 18.1218, 20.4406



23.2025, 11.7703, 9.7167



2.3132, 1.1676, 1.2305

Previews

White Background



This preview shows how the XYZ color 45.8647, 48.2548, 101.5045 looks on a white background.

Color Contrast Check

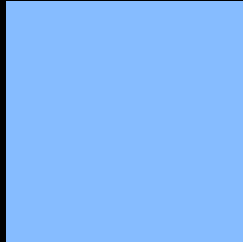
Large Text (above 18pt) WCAG AA × Fail

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 45.8647, 48.2548, 101.5045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

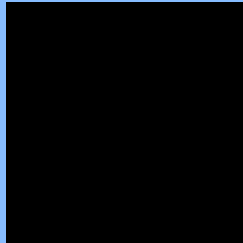
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

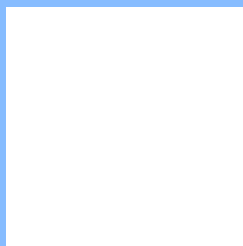
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8647, 48.2548, 101.5045

Background



This preview shows how black text looks on a background with the XYZ color 45.8647, 48.2548, 101.5045.



This preview shows how white text looks on a background with the XYZ color 45.8647, 48.2548,

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

45.8647, 48.2548, 101.5045

Protanopia

49.0890, 47.8424, 97.0897

Deuteranopia

49.2752, 48.1495, 101.3044



Tritanopia

39.5088, 48.2983, 69.5275

Trichromacy



Original Color

45.8647, 48.2548, 101.5045

Protanomaly

47.8480, 48.0816, 98.8543

Deuteranomaly

47.9530, 48.0803, 101.3608

Tritanomaly

41.6777, 48.1770, 80.5012

Monochromacy



Original Color

45.8647, 48.2548, 101.5045

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.0947, 45.7474, 65.5903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8647, 48.2548, 101.5045 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(134, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 188, 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(134, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 188, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.8647, 48.2548, 101.5045 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(134, 188, 255) }
```


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

```
.border{ border-color:rgb(134, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 188, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 188, 255); box-shadow:4px 4px 4px 4px rgb(134, 188, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8647, 48.2548, 101.5045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 188, 255) }
```

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

```
.background{ background-color: rgb(134,  
188, 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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