

Converting Colors

XYZ(45.5812, 51.6999,
101.3420)

Have a look what the booklet for
XYZ(45.5812, 51.6999, 101.3420)
contains.

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Color

**XYZ(45.6489, 51.7845,
101.3554)**

Conversions

Conversions Part 1

Format	Color
Hex	75C7FE
RGB	117, 199, 254
RGB Percent	46%, 78%, 100%
CMY	0.5412, 0.2196, 0.0039
CMYK	0.54, 0.22, 0.00, 0.00
HSL	204°, 99%, 73%
HSV	204°, 54%, 100%
XYZ	45.6489, 51.7845, 101.3554
YIQ	180.7520, -66.5270, -0.2790

Conversions

Conversions Part 2

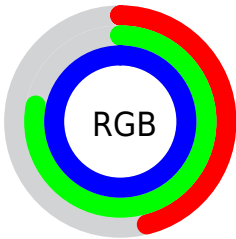
Format	Color
R _Y B	117, 168, 254
Decimal	7718910
CIE Lab	77.15, -9.95, -34.67
CIE LCh	77, 36.075, 253.982
Yxy	51.7845, 0.2296, 0.2605
Android (android.graphics.Color)	4285908990 (0xFF75C7FE)
YUV	180.7520, 36.1113, -55.9105
Hunter-Lab	71.9614, -12.7007, -33.1351

Details

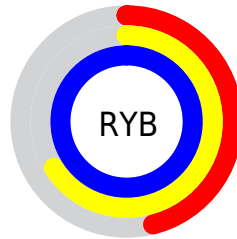
The XYZ color **45.6489, 51.7845, 101.3554** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.8381, 51.8623, 23.7409**, and the grayscale version is **43.6258, 45.8977, 49.9826**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **21.6196, 25.0121, 56.5117** is the 20% darker color. If you saturate the color by 10%, you get **40.4198, 45.7226, 100.4619**, and if you desaturate by 10%, it is **51.9644, 58.6418, 102.3471**.

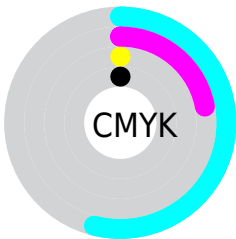
Distribution



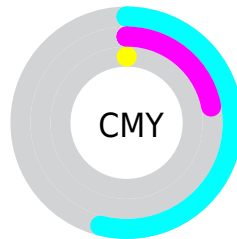
- Red (46%)
- Green (78%)
- Blue (100%)



- Red (46%)
- Yellow (66%)
- Blue (100%)



- Cyan (54%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6489, 51.7845, 101.3554 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 45.6489, 51.7845, 101.3554 by changing the saturation by 10% instead.

45.6489, 51.7845,
101.3554

45.6489, 51.7845,
101.3554

360.1349,
393.6041, 585.8133

32.1723, 36.8333,
76.8098

82.9244, 92.8133,
165.0867

21.6493, 25.0785,
56.5861

107.4540,
119.6598, 205.1094

13.7146, 16.1355,
40.2659

136.3986,
151.2402, 251.1282

8.0028, 9.6201,
27.4306

170.1237,
187.9388, 303.5618

4.1486, 5.1478,
17.6616

208.9945,
230.1401, 362.8285

1.7865, 2.3343,
10.5404

253.3764,

0.5095, 0.7917,

278.2285, 429.3470

5.6484

303.6348,
332.5884, 503.5357

■ 0.0000, 0.0000,
2.5672

■ 0.0000, 0.0000,
0.8754

■ 45.6489, 51.7845,
101.3554

■ 45.6489, 51.7845,
101.3554

■ 40.4198, 45.7226,
100.4619

■ 51.9644, 58.6418,
102.3471

■ 36.1920, 40.4048,
99.6583

■ 59.4322, 66.3300,
103.4375

■ 32.8750, 35.7807,
98.9406

■ 68.1187, 74.8887,
104.6316

■ 30.3567, 31.7877,
98.3026

■ 78.0836, 84.3526,
105.9332

■ 29.1226, 29.6219,
97.9496

■ 89.3823, 94.7544,
107.3454

94.8896, 99.9358,
108.0553

Harmonies

Analogous

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



40.2775, 51.7845, 87.0985



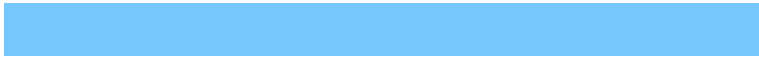
45.6489, 51.7845, 101.3554



52.4952, 51.7845, 101.8728

Triad

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



45.6489, 51.7845, 101.3554



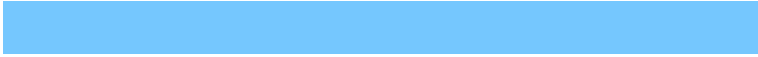
63.2480, 51.7845, 47.6935



40.5697, 51.7845, 33.2260

Complementary

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



45.6489, 51.7845, 101.3554



58.8381, 51.8623, 23.7409

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.



46.0832, 51.7845, 26.9680



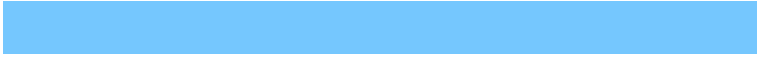
45.6489, 51.7845, 101.3554



59.3961, 51.7845, 33.9014

Square

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



45.6489, 51.7845, 101.3554



63.1040, 51.7845, 67.5318



52.9718, 51.7845, 27.1822



37.5376, 51.7845, 46.5369

Rectangle

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



45.6489, 51.7845, 101.3554



57.0133, 51.7845, 94.1221



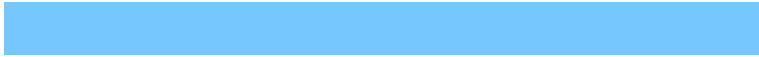
52.9718, 51.7845, 27.1822



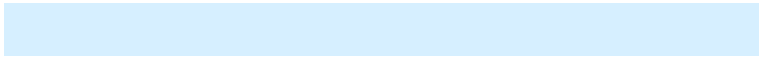
42.1706, 51.7845, 30.3828

Sweetspot

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



45.6507, 51.7864, 101.3567



76.5954, 83.0572, 106.6024



50.2068, 77.6378, 51.2706



15.9405, 17.3491, 22.7585



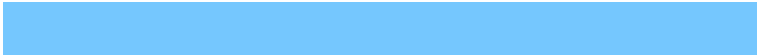
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



45.6507, 51.7864, 101.3567



40.2750, 45.5186, 101.2710



33.3034, 27.0918, 97.2409



17.9073, 19.1862, 23.0094



15.5020, 15.9136, 51.6892



1.6165, 1.7636, 5.0685

Inverse Universe

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



57.5447, 37.9188, 58.3208



53.9598, 32.0971, 51.1874



75.3337, 84.8535, 29.2394



18.4659, 18.1697, 21.0703



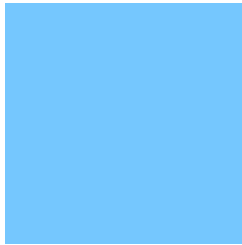
24.6129, 12.3345, 17.1439



2.4505, 1.2226, 1.9538

Previews

White Background



This preview shows how the XYZ color 45.6489, 51.7845, 101.3554 looks on a white background.

Color Contrast Check

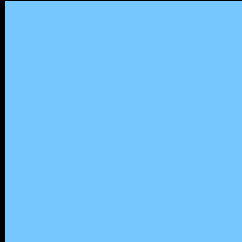
Large Text (above 18pt) WCAG AA × Fail

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 45.6489, 51.7845, 101.3554 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

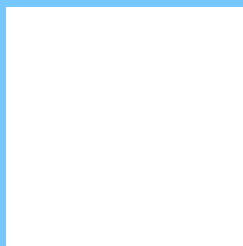
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6489, 51.7845, 101.3554

Background



This preview shows how black text looks on a background with the XYZ color 45.6489, 51.7845, 101.3554.

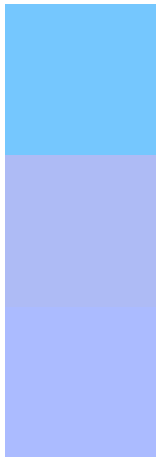


This preview shows how white text looks on a background with the XYZ color 45.6489, 51.7845,

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

45.6489, 51.7845, 101.3554

Protanopia

51.7073, 51.1319, 93.5304

Deuteranopia

52.6149, 51.4186, 101.7594



Tritanopia

40.7082, 51.8864, 76.2761

Trichromacy



Original Color

45.6489, 51.7845, 101.3554

Protanomaly

48.7109, 50.8112, 96.0471

Deuteranomaly

49.4433, 51.0609, 101.8575

Tritanomaly

42.3706, 51.8463, 84.8650

Monochromacy



Original Color

45.6489, 51.7845, 101.3554

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.4689, 47.7896, 66.6078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6489, 51.7845, 101.3554 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(117, 199, 254)` looks like.

```
.text, #text, p{  
    color:rgb(117, 199, 254)  
}
```

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(117, 199, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 199, 254) }
```

Border

The CSS property to change the border of an element to XYZ 45.6489, 51.7845, 101.3554 is called "border". The border property can be set on classes, ids or directly on the HTML element.

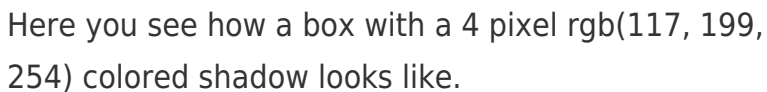
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 199, 254) }
```


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

```
.border{ border-color:rgb(117, 199, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 199, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 199, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 199, 254); box-shadow:4px 4px 4px 4px rgb(117, 199, 254) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6489, 51.7845, 101.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 199, 254) }
```

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

```
.background{ background-color: rgb(117,  
199, 254) }
```

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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