

Converting Colors

XYZ(45.9348, 50.2179,
101.8797)

Have a look what the booklet for
XYZ(45.9348, 50.2179, 101.8797)
contains.

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Color

**XYZ(45.9460, 50.2392,
101.8833)**

Conversions

Conversions Part 1

Format	Color
Hex	7EC2FF
RGB	126, 194, 255
RGB Percent	49%, 76%, 100%
CMY	0.5059, 0.2392, 0.0000
CMYK	0.51, 0.24, 0.00, 0.00
HSL	208°, 100%, 75%
HSV	208°, 51%, 100%
XYZ	45.9460, 50.2392, 101.8833
YIQ	180.6220, -60.1090, 4.5550

Conversions

Conversions Part 2

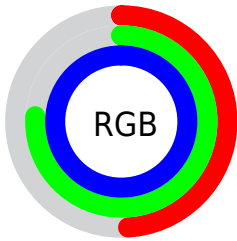
Format	Color
RYB	126, 171, 255
Decimal	8307455
CIELab	76.22, -5.07, -36.63
CIELCh	76, 36.976, 262.115
Yxy	50.2392, 0.2320, 0.2536
Android (android.graphics.Color)	4286497535 (0xFF7EC2FF)
YUV	180.6220, 36.6684, -47.9035
Hunter-Lab	70.8796, -8.3310, -35.6085

Details

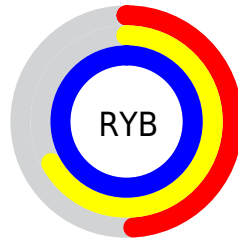
The XYZ color **45.9460, 50.2392, 101.8833** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.7773, 58.3085, 27.6867**, and the grayscale version is **43.5503, 45.8183, 49.8962**.

A 20% lighter version of the original color is **72.2432, 85.9055, 107.3815**, and **21.8979, 24.2508, 56.9528** is the 20% darker color. If you saturate the color by 10%, you get **40.0783, 43.3916, 100.8708**, and if you desaturate by 10%, it is **52.9927, 58.0199, 103.0137**.

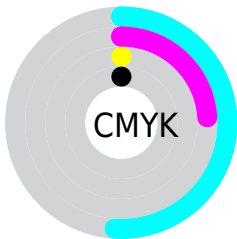
Distribution



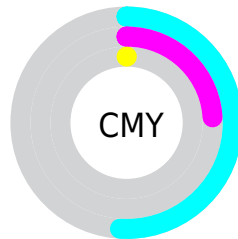
- Red (49%)
- Green (76%)
- Blue (100%)



- Red (49%)
- Yellow (67%)
- Blue (100%)



- Cyan (51%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9460, 50.2392, 101.8833 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 45.9460, 50.2392, 101.8833 by changing the saturation by 10% instead.

■ 45.9460, 50.2392,
101.8833

■ 45.9460, 50.2392,
101.8833

361.3111,
387.6006, 587.5121

■ 32.4077, 35.6035,
77.2487

■ 83.3665, 90.5292,
165.8173

■ 21.8301, 24.1281,
56.9442

■ 107.9794,
116.9523, 205.9537

■ 13.8480, 15.4287,
40.5514

■ 137.0146,
148.0732, 252.0944

■ 8.0960, 9.1208,
27.6517

170.8373,
184.2765, 304.6580

■ 4.2088, 4.8201,
17.8265

209.8129,
225.9465, 364.0631

■ 1.8209, 2.1421,
10.6573

254.3069,

■ 0.5302, 0.6881,

273.4676, 430.7281

5.7257

304.6845,
327.2242, 505.0716

■ 0.0000, 0.0000,
2.6129

■ 0.0000, 0.0000,
0.8991

■ 45.9460, 50.2392,
101.8833

■ 45.9460, 50.2392,
101.8833

■ 40.0783, 43.3916,
100.8708

■ 52.9927, 58.0199,
103.0137

■ 35.3056, 37.4231,
99.9703

■ 61.2852, 66.7725,
104.2660

■ 31.5388, 32.2809,
99.1763

■ 70.8905, 76.5397,
105.6450

■ 28.6704, 27.9013,
98.4821

■ 81.8691, 87.3595,
107.1549

■ 26.6331, 24.3861,
97.9110

94.2776, 99.2679,
108.7994

95.0500, 100.0000,
108.9000

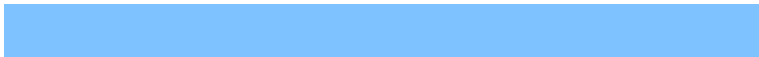
Harmonies

Analogous

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



40.0262, 50.2392, 90.6904



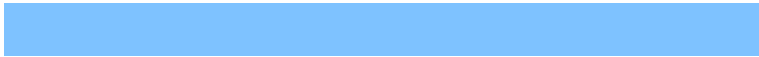
45.9460, 50.2392, 101.8833



52.9455, 50.2392, 98.2237

Triad

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



45.9460, 50.2392, 101.8833



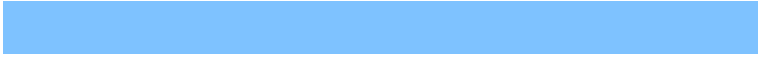
61.1910, 50.2392, 41.5553



37.9866, 50.2392, 34.4535

Complementary

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



45.9460, 50.2392, 101.8833



62.7773, 58.3085, 27.6867

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.



42.9076, 50.2392, 26.4156



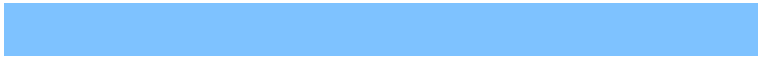
45.9460, 50.2392, 101.8833



56.4104, 50.2392, 29.7710

Square

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



45.9460, 50.2392, 101.8833



62.2046, 50.2392, 60.1062



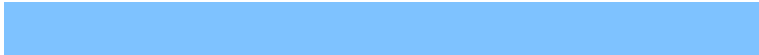
49.6024, 50.2392, 24.9379



35.7298, 50.2392, 49.6317

Rectangle

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



45.9460, 50.2392, 101.8833



57.2567, 50.2392, 88.1773



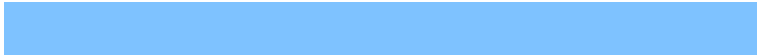
49.6024, 50.2392, 24.9379



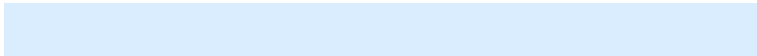
39.3600, 50.2392, 30.9945

Sweetspot

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



45.9475, 50.2410, 101.8835



76.8500, 82.4513, 106.4720



53.2497, 79.5099, 59.1082



15.9567, 17.1621, 22.7216



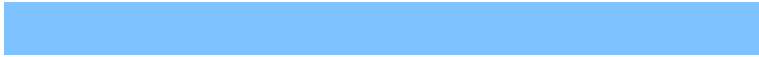
0.0000, 0.0000, 0.0000



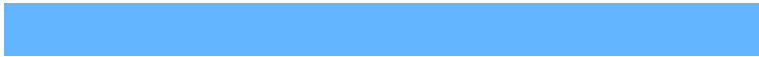
20.3446, 21.4041, 23.3091

Same Dimension

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



45.9475, 50.2410, 101.8835



39.8595, 43.1272, 100.8313



34.6785, 27.7029, 98.1272



17.7956, 18.9628, 22.9722



14.0672, 13.0439, 51.2109



1.4791, 1.4889, 5.0227

Inverse Universe

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



58.4396, 40.0785, 55.6965



54.1309, 33.6237, 47.5930



79.4099, 91.5737, 33.2309



18.4095, 18.1471, 20.7734



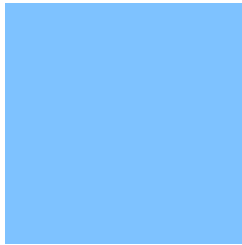
23.8886, 12.0448, 13.3300



2.3812, 1.1949, 1.5888

Previews

White Background



This preview shows how the XYZ color 45.9460, 50.2392, 101.8833 looks on a white background.

Color Contrast Check

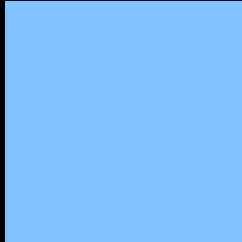
Large Text (above 18pt) WCAG AA × Fail

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 45.9460, 50.2392, 101.8833 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

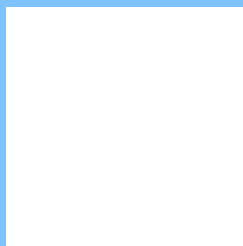
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9460, 50.2392, 101.8833

Background



This preview shows how black text looks on a background with the XYZ color 45.9460, 50.2392, 101.8833.



This preview shows how white text looks on a background with the XYZ color 45.9460, 50.2392,

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

45.9460, 50.2392, 101.8833

Protanopia

50.8698, 50.0213, 95.7809

Deuteranopia

51.1248, 50.0249, 101.5689



Tritanopia

40.2211, 50.2938, 73.2334

Trichromacy



Original Color

45.9460, 50.2392, 101.8833

Protanomaly

48.7222, 49.8015, 98.3115

Deuteranomaly

48.7957, 49.7657, 101.6417

Tritanomaly

42.0891, 50.0092, 83.0357

Monochromacy



Original Color

45.9460, 50.2392, 101.8833

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.6420, 47.2489, 66.4943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9460, 50.2392, 101.8833 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(126, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 194, 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(126, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 194, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.9460, 50.2392, 101.8833 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(126, 194, 255) }
```


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

```
.border{ border-color:rgb(126, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 194,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9460, 50.2392, 101.8833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 194, 255) }
```

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

```
.background{ background-color: rgb(126,  
194, 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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