

Converting Colors

XYZ(47.6753, 52.5140,
112.7379)

Have a look what the booklet for
XYZ(47.6753, 52.5140, 112.7379)
contains.

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Color

**XYZ(45.6759, 51.7799,
102.1949)**

Conversions

Conversions Part 1

Format	Color
Hex	74C7FF
RGB	116, 199, 255
RGB Percent	45%, 78%, 100%
CMY	0.5451, 0.2196, 0.0000
CMYK	0.55, 0.22, 0.00, 0.00
HSL	204°, 100%, 73%
HSV	204°, 55%, 100%
XYZ	45.6759, 51.7799, 102.1949
YIQ	180.5670, -67.4440, -0.1800

Conversions

Conversions Part 2

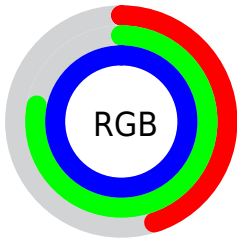
Format	Color
RYB	116, 168, 255
Decimal	7653375
CIELab	77.15, -9.87, -35.22
CIElCh	77, 36.572, 254.351
Yxy	51.7799, 0.2288, 0.2594
Android (android.graphics.Color)	4285843455 (0xFF74C7FF)
YUV	180.5670, 36.6955, -56.6253
Hunter-Lab	71.9583, -12.6231, -33.8327

Details

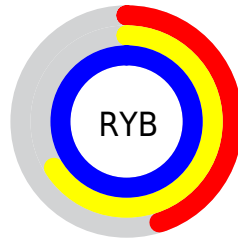
The XYZ color **45.6759, 51.7799, 102.1949** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **59.1460, 52.0275, 23.4500**, and the grayscale version is **43.5236, 45.7902, 49.8655**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **21.6338, 25.0061, 57.1125** is the 20% darker color. If you saturate the color by 10%, you get **40.4554, 45.6982, 101.2961**, and if you desaturate by 10%, it is **51.9892, 58.6639, 103.1909**.

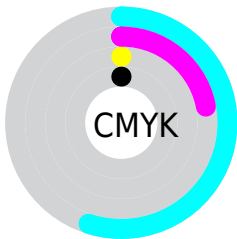
Distribution



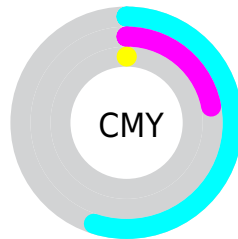
- Red (45%)
- Green (78%)
- Blue (100%)



- Red (45%)
- Yellow (66%)
- Blue (100%)



- Cyan (55%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6759, 51.7799, 102.1949 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 45.6759, 51.7799, 102.1949 by changing the saturation by 10% instead.

■ 45.6759, 51.7799,
102.1949

■ 45.6759, 51.7799,
102.1949

360.2419,
393.5863, 588.5137

■ 32.1937, 36.8297,
77.5078

■ 82.9646, 92.8066,
166.2483

■ 21.6657, 25.0756,
57.1557

■ 107.5018,
119.6518, 206.4517

■ 13.7267, 16.1334,
40.7201

■ 136.4546,
151.2308, 252.6643

■ 8.0113, 9.6186,
27.7824

170.1886,
187.9279, 305.3046

■ 4.1540, 5.1468,
17.9240

209.0689,
230.1277, 364.7911

■ 1.7896, 2.3337,
10.7266

253.4610,

■ 0.5114, 0.7914,

278.2144, 431.5425

5.7715

303.7302,
332.5725, 505.9772

■ 0.0000, 0.0000,
2.6401

■ 0.0000, 0.0000,
0.9130

■ 45.6759, 51.7799,
102.1949

■ 45.6759, 51.7799,
102.1949

■ 40.4554, 45.6982,
101.2961

■ 51.9892, 58.6639,
103.1909

■ 36.2418, 40.3668,
100.4892

■ 59.4629, 66.3865,
104.2876

■ 32.9425, 35.7342,
99.7689

■ 68.1643, 74.9879,
105.4892

■ 30.4427, 31.7364,
99.1290

■ 78.1539, 84.5033,
106.7994

■ 29.3216, 29.7632,
98.8072

■ 89.4878, 94.9661,
108.2215

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.



40.2112, 51.7799, 87.8176



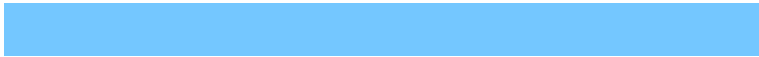
45.6759, 51.7799, 102.1949



52.6244, 51.7799, 102.5311

Triad

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



45.6759, 51.7799, 102.1949



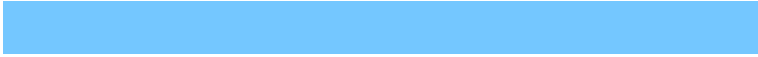
63.4279, 51.7799, 47.3617



40.3999, 51.7799, 33.0791

Complementary

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



45.6759, 51.7799, 102.1949



59.1460, 52.0275, 23.4500

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.



45.9566, 51.7799, 26.6919



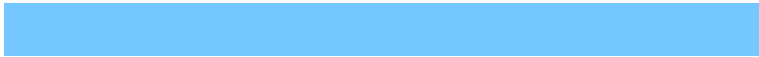
45.6759, 51.7799, 102.1949



59.4720, 51.7799, 33.5135

Square

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



45.6759, 51.7799, 102.1949



63.3345, 51.7799, 67.4204



52.9329, 51.7799, 26.8294



37.3677, 51.7799, 46.6150

Rectangle

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



45.6759, 51.7799, 102.1949



57.2005, 51.7799, 94.5313



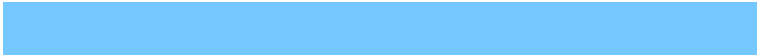
52.9329, 51.7799, 26.8294



42.0101, 51.7799, 30.1844

Sweetspot

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



45.6775, 51.7817, 102.1952



76.5786, 83.0235, 106.5968



50.3717, 78.1968, 51.2692



15.9365, 17.3410, 22.7572



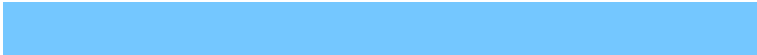
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



45.6775, 51.7817, 102.1952



40.2249, 45.4182, 101.2543



33.2235, 26.8737, 98.0438



17.9051, 19.1818, 23.0087



15.4714, 15.8524, 51.6790



1.6136, 1.7578, 5.0675

Inverse Universe

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



57.7953, 37.8760, 58.2993



53.9344, 32.0869, 51.0541



75.8779, 85.4913, 29.0273



18.4647, 18.1692, 21.0644



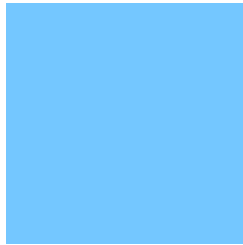
24.5975, 12.3283, 17.0626



2.4491, 1.2220, 1.9462

Previews

White Background



This preview shows how the XYZ color 45.6759, 51.7799, 102.1949 looks on a white background.

Color Contrast Check

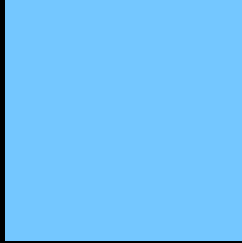
Large Text (above 18pt) WCAG AA × Fail

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 45.6759, 51.7799, 102.1949 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

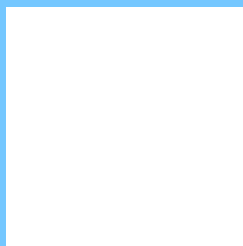
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6759, 51.7799, 102.1949

Background



This preview shows how black text looks on a background with the XYZ color 45.6759, 51.7799, 102.1949.

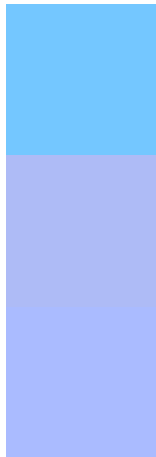


This preview shows how white text looks on a background with the XYZ color 45.6759, 51.7799,

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

45.6759, 51.7799, 102.1949

Protanopia

51.8604, 51.1931, 94.3367

Deuteranopia

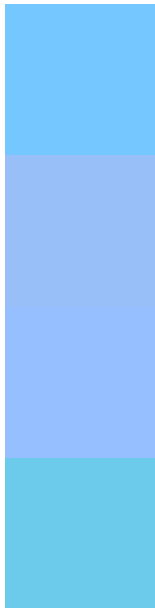
52.3979, 51.3067, 101.7493



Tritanopia

40.7251, 51.8796, 76.9746

Trichromacy



Original Color

45.6759, 51.7799, 102.1949

Protanomaly

48.8666, 50.8735, 96.8665

Deuteranomaly

49.2585, 50.9656, 101.8489

Tritanomaly

42.3916, 51.8405, 85.6139

Monochromacy



Original Color

45.6759, 51.7799, 102.1949

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.2730, 47.6886, 66.5986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6759, 51.7799, 102.1949 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(116, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(116, 199, 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(116, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.6759, 51.7799, 102.1949 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(116, 199, 255) }
```


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

```
.border{ border-color:rgb(116, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 199, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 199, 255); box-shadow:4px 4px 4px 4px rgb(116, 199, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6759, 51.7799, 102.1949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 199, 255) }
```

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

```
.background{ background-color: rgb(116,  
199, 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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