

Converting Colors

XYZ(47.6305, 58.2434,
103.3394)

Have a look what the booklet for
XYZ(47.6305, 58.2434, 103.3394)
contains.

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Color

**XYZ(47.5761, 58.1379,
103.3220)**

Conversions

Conversions Part 1

Format	Color
Hex	66D6FF
RGB	102, 214, 255
RGB Percent	40%, 84%, 100%
CMY	0.6000, 0.1608, 0.0000
CMYK	0.60, 0.16, 0.00, 0.00
HSL	196°, 100%, 70%
HSV	196°, 60%, 100%
XYZ	47.5761, 58.1379, 103.3220
YIQ	185.1860, -79.9130, -10.9930

Conversions

Conversions Part 2

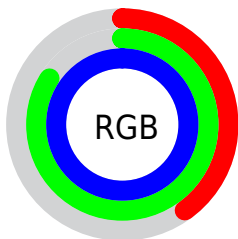
Format	Color
RYB	102, 167, 255
Decimal	6739711
CIELab	80.82, -20.31, -29.61
CIElCh	81, 35.909, 235.554
Yxy	58.1379, 0.2276, 0.2781
Android (android.graphics.Color)	4284929791 (0xFF66D6FF)
YUV	185.1860, 34.4183, -72.9541
Hunter-Lab	76.2482, -22.0569, -26.9686

Details

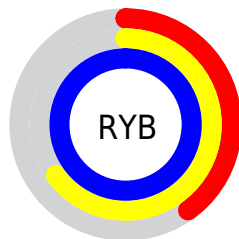
The XYZ color **47.5761, 58.1379, 103.3220** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.4620, 41.8661, 17.8358**, and the grayscale version is **46.0659, 48.4649, 52.7783**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **22.7723, 28.9669, 57.8170** is the 20% darker color. If you saturate the color by 10%, you get **43.4250, 53.4854, 102.6427**, and if you desaturate by 10%, it is **52.6916, 63.3976, 104.0676**.

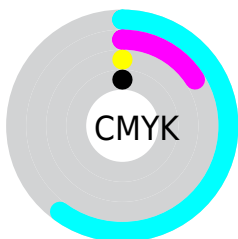
Distribution



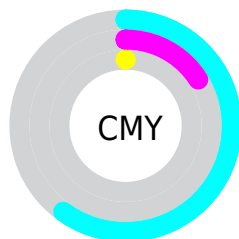
- Red (40%)
- Green (84%)
- Blue (100%)



- Red (40%)
- Yellow (65%)
- Blue (100%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5761, 58.1379, 103.3220 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 47.5761, 58.1379, 103.3220 by changing the saturation by 10% instead.

47.5761, 58.1379,
103.3220

47.5761, 58.1379,
103.3220

367.7200,
417.6996, 592.1290

33.7012, 41.9195,
78.4455

85.7864, 102.1236,
167.8065

22.8259, 29.0383,
57.9214

110.8526,
130.6598, 208.2515

14.5850, 19.1098,
41.3312

140.3798,
164.0707, 254.7232

8.6131, 11.7496,
28.2563

174.7335,
202.7407, 307.6399

4.5448, 6.5734,
18.2782

214.2790,
247.0541, 367.4203

2.0147, 3.1968,
10.9784

259.3817,

0.6422, 1.2353,

297.3955, 434.4830

5.9383

310.4069,
354.1492, 509.2463

■ 0.0000, 0.0903,
2.7394

■ 0.0000, 0.0000,
0.9632

■ 47.5761, 58.1379,
103.3220

■ 47.5761, 58.1379,
103.3220

■ 43.4250, 53.4854,
102.6427

■ 52.6916, 63.3976,
104.0676

■ 40.1480, 49.3887,
102.0247

■ 58.8410, 69.2982,
104.8824

■ 37.6450, 45.7961,
101.4632

■ 66.0931, 75.8775,
105.7701

■ 35.7505, 42.6209,
100.9501

■ 74.5090, 83.1682,
106.7338

■ 35.7499, 42.6199,
100.9500

■ 84.1450, 91.2006,
107.7763

95.0500, 100.0000,
108.9000

Harmonies

Analogous

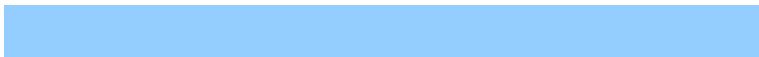
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.3622, 58.1379, 82.6104



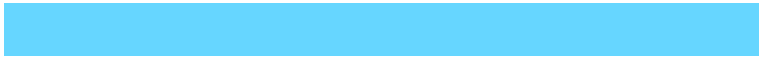
47.5761, 58.1379, 103.3220



54.1598, 58.1379, 113.3923

Triad

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



47.5761, 58.1379, 103.3220



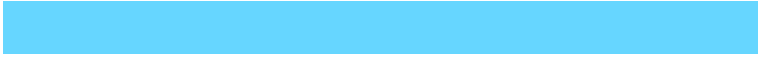
70.7350, 58.1379, 66.5225



49.3307, 58.1379, 33.1359

Complementary

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



47.5761, 58.1379, 103.3220



53.4620, 41.8661, 17.8358

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.



56.3716, 58.1379, 30.6833



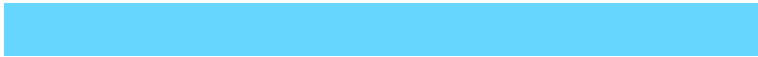
47.5761, 58.1379, 103.3220



69.1526, 58.1379, 47.2647

Square

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



47.5761, 58.1379, 103.3220



67.8763, 58.1379, 89.3359



63.7260, 58.1379, 35.2358



44.3099, 58.1379, 42.8922

Rectangle

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



47.5761, 58.1379, 103.3220



59.1722, 58.1379, 111.3791



63.7260, 58.1379, 35.2358



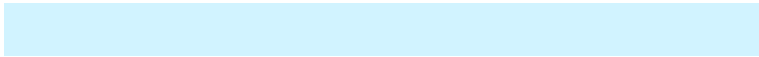
51.5209, 58.1379, 31.5384

Sweetspot

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



47.5778, 58.1399, 103.3223



76.3337, 84.7118, 106.9355



46.1837, 76.3226, 38.2073



15.7728, 17.6524, 22.8259



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.



47.5778, 58.1399, 103.3223



42.7014, 52.6216, 102.5141



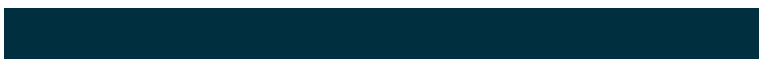
32.5769, 28.1381, 98.3220



18.1189, 19.6095, 23.0800



18.8097, 22.5290, 52.7917



1.9216, 2.3738, 5.1702

Inverse Universe

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



58.1302, 35.6196, 67.4318



54.6352, 30.2641, 61.2277



69.0491, 73.0402, 23.0315



18.5727, 18.2124, 21.6329



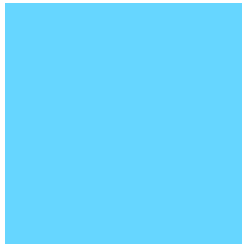
26.2825, 13.0023, 25.9357



2.6045, 1.2842, 2.7648

Previews

White Background



This preview shows how the XYZ color 47.5761, 58.1379, 103.3220 looks on a white background.

Color Contrast Check

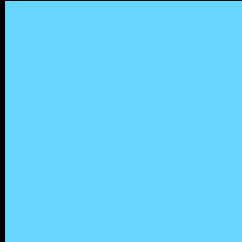
Large Text (above 18pt) WCAG AA × Fail

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 47.5761, 58.1379, 103.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

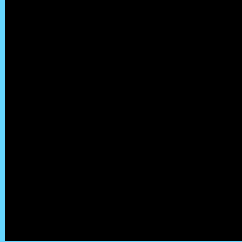
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5761, 58.1379, 103.3220

Background



This preview shows how black text looks on a background with the XYZ color 47.5761, 58.1379, 103.3220.

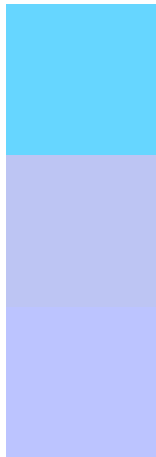


This preview shows how white text looks on a background with the XYZ color 47.5761, 58.1379,

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

47.5761, 58.1379, 103.3220

Protanopia

57.1302, 57.2224, 92.8280

Deuteranopia

58.5290, 57.3912, 102.6005



Tritanopia

44.3225, 57.9510, 87.4469

Trichromacy



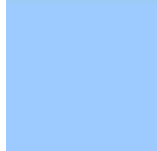
Original Color

47.5761, 58.1379, 103.3220



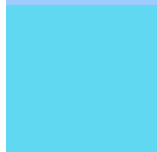
Protanomaly

52.0491, 56.5954, 96.1764



Deuteranomaly

53.3106, 57.1000, 102.8194



Tritanomaly

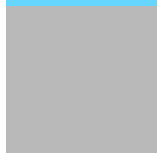
45.4067, 58.0093, 92.8081

Monochromacy



Original Color

47.5761, 58.1379, 103.3220



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

44.8904, 51.1016, 68.4704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5761, 58.1379, 103.3220 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(102, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 214, 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(102, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 214, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.5761, 58.1379, 103.3220 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(102, 214, 255) }
```


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

```
.border{ border-color:rgb(102, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 214,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5761, 58.1379, 103.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 214, 255) }
```

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

```
.background{ background-color: rgb(102,  
214, 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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