

Converting Colors

XYZ(48.5252, 55.3615,
106.1115)

Have a look what the booklet for
XYZ(48.5252, 55.3615, 106.1115)
contains.

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Color

**XYZ(47.7665, 54.9476,
102.6961)**

Conversions

Conversions Part 1	
Format	Color
Hex	79CDFF
RGB	121, 205, 255
RGB Percent	47%, 80%, 100%
CMY	0.5255, 0.1961, 0.0000
CMYK	0.53, 0.20, 0.00, 0.00
HSL	202°, 100%, 74%
HSV	202°, 53%, 100%
XYZ	47.7665, 54.9476, 102.6961
YIQ	185.5840, -66.1140, -2.2580

Conversions

Conversions Part 2

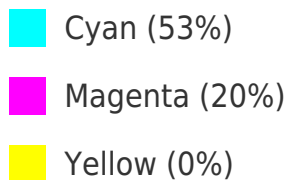
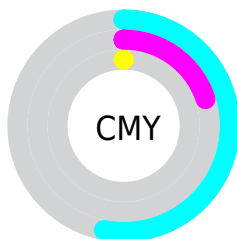
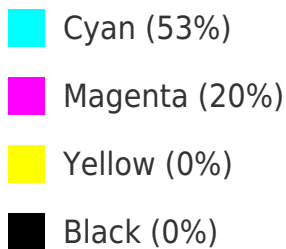
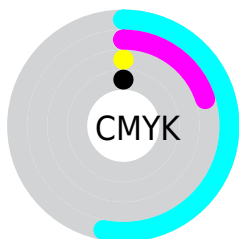
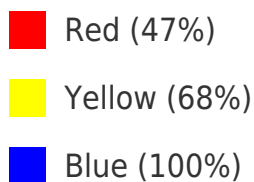
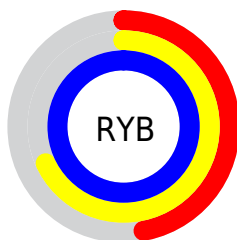
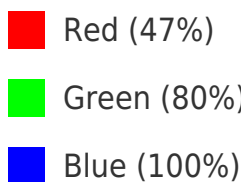
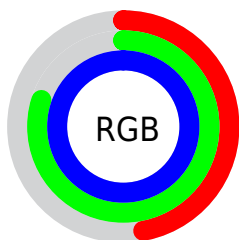
Format	Color
RYB	121, 173, 255
Decimal	7982591
CIELab	79.01, -12.00, -32.33
CIELCh	79, 34.483, 249.626
Yxy	54.9476, 0.2325, 0.2675
Android (android.graphics.Color)	4286172671 (0xFF79CDFF)
YUV	185.5840, 34.2221, -56.6402
Hunter-Lab	74.1266, -14.6979, -30.2525

Details

The XYZ color **47.7665, 54.9476, 102.6961** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **59.2552, 51.7678, 24.9604**, and the grayscale version is **46.2826, 48.6929, 53.0266**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **22.9470, 27.0803, 57.4437** is the 20% darker color. If you saturate the color by 10%, you get **42.4468, 48.9295, 101.8149**, and if you desaturate by 10%, it is **54.1722, 61.7332, 103.6683**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7665, 54.9476, 102.6961 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 47.7665, 54.9476, 102.6961 by changing the saturation by 10% instead.


 47.7665, 54.9476,
102.6961


 47.7665, 54.9476,
102.6961


368.4639,
405.7133, 590.1228


 33.8525, 39.3598,
77.9247


 86.0684, 97.4642,
166.9414

 22.9427, 27.0397,
57.4960

 111.1871,
125.1617, 207.2524

 14.6716, 17.6031,
40.9916


 140.7713,
157.6646, 253.5803

 8.6741, 10.6654,
27.9929

175.1865,
195.3573, 306.3437

 4.5846, 5.8423,
18.0813

214.7980,
238.6241, 365.9611

 2.0379, 2.7494,
10.8383


259.9712,


 0.6551, 1.0024,

287.8494, 432.8511


5.8454

311.0713,
343.4177, 507.4321


 0.0000, 0.0000,
2.6840


 0.0000, 0.0000,
0.9354


 47.7665, 54.9476,
102.6961


 47.7665, 54.9476,
102.6961


 42.4468, 48.9295,
101.8149


 54.1722, 61.7332,
103.6683

 38.1296, 43.6290,
101.0193

 61.7291, 69.3203,
104.7344

 34.7260, 38.9976,
100.3048

 70.5030, 77.7471,
105.8985

 32.1271, 34.9754,
99.6654

 80.5527, 87.0475,
107.1640

■ 30.5952, 32.3103,
99.2317

■ 91.9332, 97.2530,
108.5341

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.



42.7097, 54.9476, 87.3049



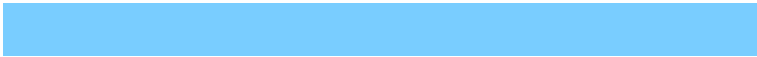
47.7665, 54.9476, 102.6961



54.4633, 54.9476, 105.3444

Triad

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



47.7665, 54.9476, 102.6961



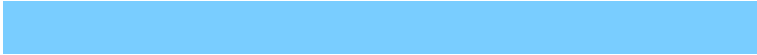
66.3424, 54.9476, 53.7305



44.2560, 54.9476, 35.1912

Complementary

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



47.7665, 54.9476, 102.6961



59.2552, 51.7678, 24.9604

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.



50.0509, 54.9476, 29.7745



47.7665, 54.9476, 102.6961



63.0604, 54.9476, 38.8223

Square

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



47.7665, 54.9476, 102.6961



65.5950, 54.9476, 73.9697



56.9549, 54.9476, 30.9396



40.8094, 54.9476, 47.6154

Rectangle

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



47.7665, 54.9476, 102.6961



59.0228, 54.9476, 99.0477



56.9549, 54.9476, 30.9396



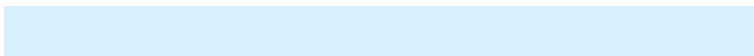
45.9722, 54.9476, 32.6289

Sweetspot

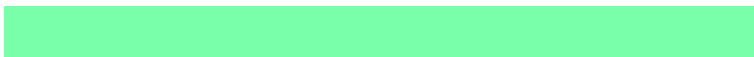
The Sweet Spot groups the original color and five complimentary colors.



47.7681, 54.9495, 102.6964



76.9342, 83.7348, 106.7153



50.9148, 78.4929, 50.5656



16.0214, 17.5109, 22.7855



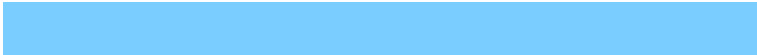
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



47.7681, 54.9495, 102.6964



42.2299, 48.6739, 101.7770



35.1502, 29.7137, 98.4904



17.9519, 19.2754, 23.0243



16.1346, 17.1789, 51.9000



1.6759, 1.8824, 5.0883

Inverse Universe

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



59.0980, 39.3443, 62.2390



55.1306, 33.2705, 55.1796



75.0147, 83.2868, 30.2135



18.4884, 18.1787, 21.1889



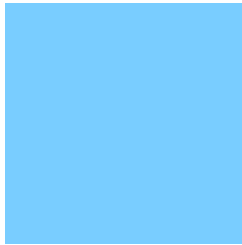
24.9322, 12.4622, 18.8254



2.4805, 1.2346, 2.1117

Previews

White Background



This preview shows how the XYZ color 47.7665, 54.9476, 102.6961 looks on a white background.

Color Contrast Check

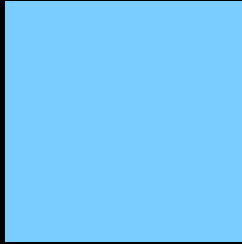
Large Text (above 18pt) WCAG AA × Fail

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 47.7665, 54.9476, 102.6961 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

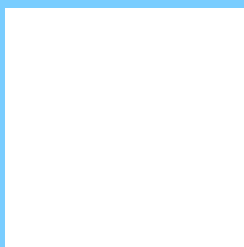
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7665, 54.9476, 102.6961

Background



This preview shows how black text looks on a background with the XYZ color 47.7665, 54.9476, 102.6961.



This preview shows how white text looks on a background with the XYZ color 47.7665, 54.9476,

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

47.7665, 54.9476, 102.6961

Protanopia

54.7606, 54.6175, 94.8448

Deuteranopia

55.7220, 54.6226, 102.2141



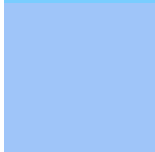
Tritanopia

43.4673, 55.0187, 81.0018

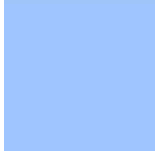
Trichromacy



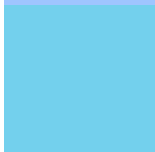
Original Color
47.7665, 54.9476, 102.6961



Protanomaly
51.3632, 54.1430, 97.3660



Deuteranomaly
52.3143, 54.5234, 102.3746



Tritanomaly
44.9122, 54.8710, 88.3448

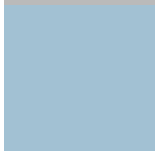
Monochromacy



Original Color
47.7665, 54.9476, 102.6961



Achromatopsia
46.6715, 49.1021, 53.4722



Achromatomaly
45.7281, 50.5245, 68.9701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7665, 54.9476, 102.6961 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(121, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(121, 205, 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(121, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 205, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.7665, 54.9476, 102.6961 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(121, 205, 255) }
```


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

```
.border{ border-color:rgb(121, 205, 255) }
```

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

Here you see how a box with a 4 pixel rgb(121, 205, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(121, 205,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7665, 54.9476, 102.6961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 205, 255) }
```

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

```
.background{ background-color: rgb(121,  
205, 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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