

Converting Colors

XYZ(42.9470, 46.1220,
101.2466)

Have a look what the booklet for
XYZ(42.9470, 46.1220, 101.2466)
contains.

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Color

**XYZ(42.9450, 46.1197,
101.2463)**

Conversions

Conversions Part 1

Format	Color
Hex	75BAFF
RGB	117, 186, 255
RGB Percent	46%, 73%, 100%
CMY	0.5412, 0.2706, 0.0000
CMYK	0.54, 0.27, 0.00, 0.00
HSL	210°, 100%, 73%
HSV	210°, 54%, 100%
XYZ	42.9450, 46.1197, 101.2463
YIQ	173.2350, -63.2730, 6.8310

Conversions

Conversions Part 2

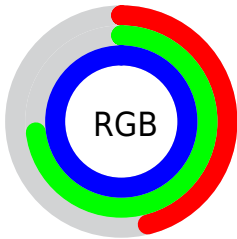
Format	Color
R _Y B	117, 163, 255
Decimal	7715583
CIE Lab	73.62, -2.63, -40.69
CIE LCh	74, 40.773, 266.297
Yxy	46.1197, 0.2257, 0.2423
Android (android.graphics.Color)	4285905663 (0xFF75BAFF)
YUV	173.2350, 40.3101, -49.3181
Hunter-Lab	67.9115, -5.9675, -40.8549

Details

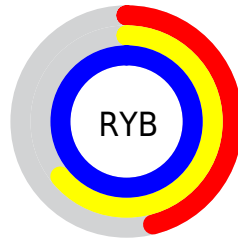
The XYZ color **42.9450, 46.1197, 101.2463** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.0110, 57.6639, 24.6935**, and the grayscale version is **39.6657, 41.7314, 45.4455**.

A 20% lighter version of the original color is **67.7066, 79.9544, 106.4720**, and **19.9967, 21.5823, 56.5379** is the 20% darker color. If you saturate the color by 10%, you get **37.4065, 39.4541, 100.2516**, and if you desaturate by 10%, it is **49.6590, 53.7489, 102.3650**.

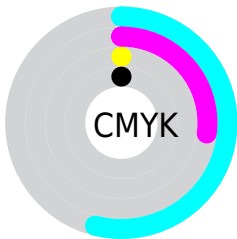
Distribution



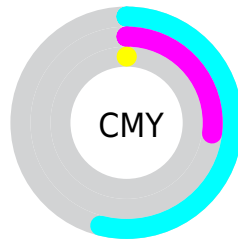
- Red (46%)
- Green (73%)
- Blue (100%)



- Red (46%)
- Yellow (64%)
- Blue (100%)



- Cyan (54%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9450, 46.1197, 101.2463 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 42.9450, 46.1197, 101.2463 by changing the saturation by 10% instead.

■ 42.9450, 46.1197,
101.2463

■ 42.9450, 46.1197,
101.2463

349.3109,
371.2897, 585.4618

■ 30.0363, 32.3403,
76.7191

■ 78.8841, 84.3981,
164.9356

■ 20.0143, 21.6215,
56.5122

■ 102.6452,
109.6659, 204.9348

■ 12.5138, 13.5791,
40.2070

■ 130.7545,
139.5319, 250.9285

■ 7.1693, 7.8285,
27.3849

163.5773,
174.3806, 303.3351

■ 3.6155, 3.9854,
17.6275

201.4789,
214.5963, 362.5731

■ 1.4870, 1.6654,
10.5163

244.8249,

■ 0.3169, 0.4011,

260.5635, 429.0613

5.6325

293.9804,
312.6665, 503.2180

■ 0.0000, 0.0000,
2.5578

■ 0.0000, 0.0000,
0.8705

■ 42.9450, 46.1197,
101.2463

■ 42.9450, 46.1197,
101.2463

■ 37.4065, 39.4541,
100.2516

■ 49.6590, 53.7489,
102.3650

■ 32.9553, 33.6946,
99.3745

■ 57.6192, 62.3843,
103.6123

■ 29.4960, 28.7835,
98.6089

■ 66.8954, 72.0715,
104.9932

■ 26.9114, 24.6502,
97.9473

■ 77.5505, 82.8512,
106.5123

■ 25.7040, 22.5279,
97.6013

■ 89.6432, 94.7618,
108.1739

■ 95.0500, 100.0000,
108.9000

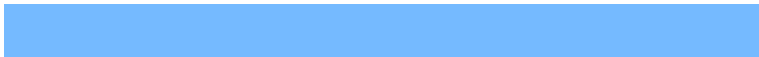
Harmonies

Analogous

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



36.5758, 46.1197, 91.0767



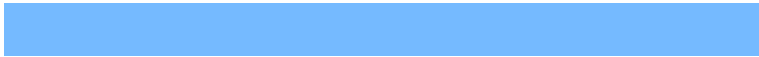
42.9450, 46.1197, 101.2463



50.2765, 46.1197, 94.9487

Triad

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



42.9450, 46.1197, 101.2463



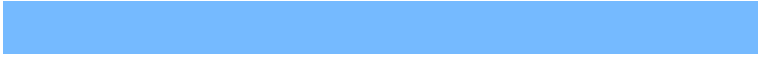
57.4934, 46.1197, 34.5844



33.2726, 46.1197, 31.2310

Complementary

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



42.9450, 46.1197, 101.2463



62.0110, 57.6639, 24.6935

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.



37.9694, 46.1197, 22.3448



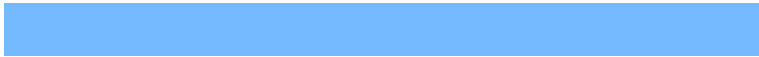
42.9450, 46.1197, 101.2463



51.9971, 46.1197, 23.8749

Square

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



42.9450, 46.1197, 101.2463



59.1964, 46.1197, 52.8280



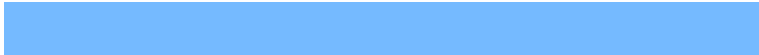
44.7380, 46.1197, 20.0769



31.3921, 46.1197, 47.6925

Rectangle

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



42.9450, 46.1197, 101.2463



54.6546, 46.1197, 82.9928



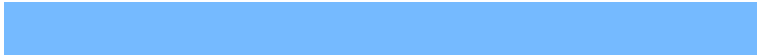
44.7380, 46.1197, 20.0769



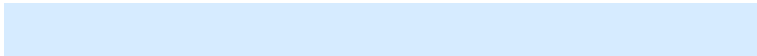
34.5474, 46.1197, 27.4545

Sweetspot

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



42.9465, 46.1213, 101.2465



75.4338, 80.7340, 106.2152



51.9603, 78.8477, 58.9367



15.6636, 16.7952, 22.6662



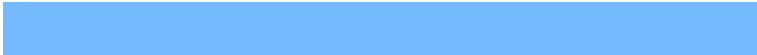
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.9465, 46.1213, 101.2465



36.9700, 38.9086, 100.1693



31.7490, 23.7265, 97.5140



17.7534, 18.8784, 22.9581



13.5802, 12.0699, 51.0486



1.4315, 1.3936, 5.0068

Inverse Universe

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



56.4653, 37.5294, 50.7237



52.2916, 31.4298, 42.4028



80.2113, 94.0645, 30.7603



18.3882, 18.1386, 20.6613



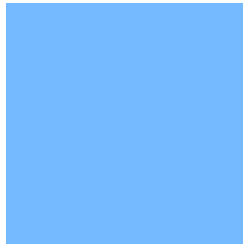
23.6428, 11.9464, 12.0356



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 42.9450, 46.1197, 101.2463 looks on a white background.

Color Contrast Check

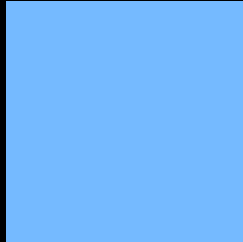
Large Text (above 18pt) WCAG AA × Fail

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 42.9450, 46.1197, 101.2463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

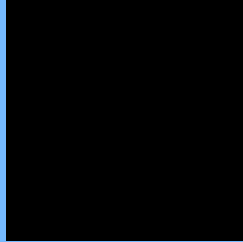
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

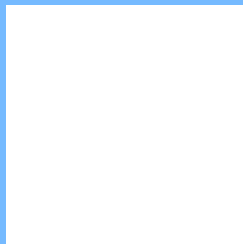
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9450, 46.1197, 101.2463

Background



This preview shows how black text looks on a background with the XYZ color 42.9450, 46.1197, 101.2463.

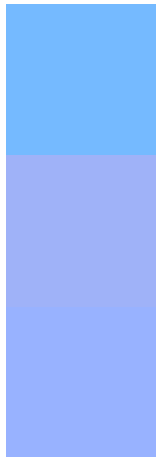


This preview shows how white text looks on a background with the XYZ color 42.9450, 46.1197,

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

42.9450, 46.1197, 101.2463

Protanopia

47.1617, 45.9890, 95.1980

Deuteranopia

46.9193, 45.7362, 100.9628



Tritanopia

36.2915, 46.0034, 67.9396

Trichromacy



Original Color

42.9450, 46.1197, 101.2463

Protanomaly

45.4381, 45.9421, 97.7397

Deuteranomaly

45.2213, 45.7567, 101.0563

Tritanomaly

38.4217, 45.8784, 78.7819

Monochromacy



Original Color

42.9450, 46.1197, 101.2463

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.8368, 42.9249, 62.6856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9450, 46.1197, 101.2463 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, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 186, 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(117, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 186, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.9450, 46.1197, 101.2463 is called "border". The border property can be set on classes, ids or directly on the HTML element.

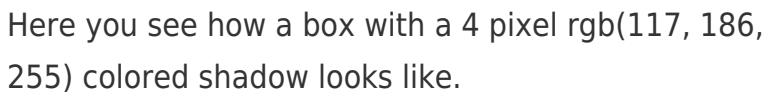
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 186, 255) }
```


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

```
.border{ border-color:rgb(117, 186, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 186,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9450, 46.1197, 101.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 186, 255) }
```

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

```
.background{ background-color: rgb(117,  
186, 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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