

Converting Colors

XYZ(42.0193, 47.0244,
101.4697)

Have a look what the booklet for
XYZ(42.0193, 47.0244, 101.4697)
contains.

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Color

**XYZ(41.9429, 46.8717,
101.4443)**

Conversions

Conversions Part 1

Format	Color
Hex	66BEFF
RGB	102, 190, 255
RGB Percent	40%, 75%, 100%
CMY	0.6000, 0.2549, 0.0000
CMYK	0.60, 0.25, 0.00, 0.00
HSL	205°, 100%, 70%
HSV	205°, 60%, 100%
XYZ	41.9429, 46.8717, 101.4443
YIQ	171.0980, -73.3130, 1.5590

Conversions

Conversions Part 2

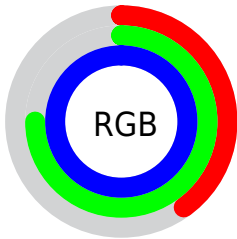
Format	Color
RYB	102, 158, 255
Decimal	6733567
CIELab	74.11, -7.73, -39.98
CIELCh	74, 40.720, 259.058
Yxy	46.8717, 0.2205, 0.2464
Android (android.graphics.Color)	4284923647 (0xFF66BEFF)
YUV	171.0980, 41.3637, -60.5989
Hunter-Lab	68.4629, -10.4544, -39.9284

Details

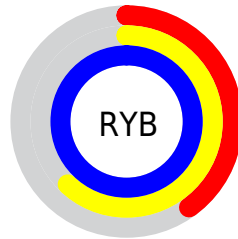
The XYZ color **41.9429, 46.8717, 101.4443** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.4582, 49.8586, 19.1676**, and the grayscale version is **38.5847, 40.5941, 44.2070**.

A 20% lighter version of the original color is **66.3156, 81.0240, 106.7517**, and **19.4480, 22.1280, 56.6722** is the 20% darker color. If you saturate the color by 10%, you get **37.2250, 41.0855, 100.5761**, and if you desaturate by 10%, it is **47.7266, 53.4680, 102.4126**.

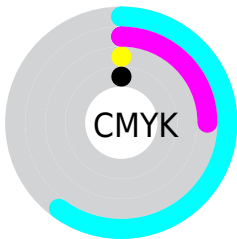
Distribution



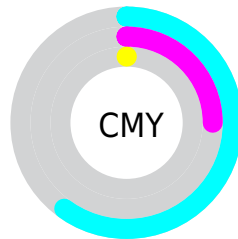
- Red (40%)
- Green (75%)
- Blue (100%)



- Red (40%)
- Yellow (62%)
- Blue (100%)



- Cyan (60%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9429, 46.8717, 101.4443 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 41.9429, 46.8717, 101.4443 by changing the saturation by 10% instead.

■ 41.9429, 46.8717,
101.4443

■ 41.9429, 46.8717,
101.4443

345.2418,
374.3022, 586.0996

■ 29.2475, 32.9342,
76.8837

■ 77.3789, 85.5221,
165.2097

■ 19.4134, 22.0761,
56.6464

■ 100.8502,
111.0038, 205.2516

■ 12.0751, 13.9128,
40.3140

■ 128.6442,
141.1024, 251.2910

■ 6.8674, 8.0600,
27.4678

161.1262,
176.2022, 303.7465

■ 3.4249, 4.1334,
17.6893

198.6617,
216.6877, 363.0365

■ 1.3822, 1.7485,
10.5600

241.6158,

■ 0.2435, 0.4547,

262.9433, 429.5797

5.6614

290.3541,
315.3533, 503.7945

■ 0.0000, 0.0000,
2.5749

■ 0.0000, 0.0000,
0.8794

■ 41.9429, 46.8717,
101.4443

■ 41.9429, 46.8717,
101.4443

■ 37.2250, 41.0855,
100.5761

■ 47.7266, 53.4680,
102.4126

■ 33.4803, 36.0534,
99.8022

■ 54.6492, 60.9149,
103.4852

■ 30.6057, 31.7175,
99.1167

■ 62.7818, 69.2552,
104.6664

■ 28.4324, 27.9847,
98.5108

■ 72.1881, 78.5268,
105.9602

■ 28.4318, 27.9837,
98.5106

■ 82.9270, 88.7652,
107.3704

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.



35.9844, 46.8717, 87.7455



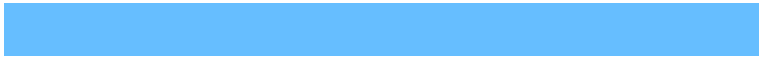
41.9429, 46.8717, 101.4443



49.2838, 46.8717, 99.1383

Triad

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



41.9429, 46.8717, 101.4443



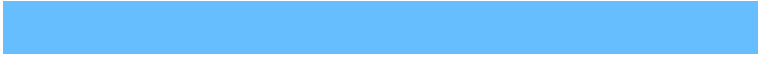
59.1501, 46.8717, 39.0217



34.7819, 46.8717, 28.9964

Complementary

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



41.9429, 46.8717, 101.4443



57.4582, 49.8586, 19.1676

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.



40.1298, 46.8717, 21.7259



41.9429, 46.8717, 101.4443



54.3776, 46.8717, 26.3280

Square

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



41.9429, 46.8717, 101.4443



59.7722, 46.8717, 59.0381



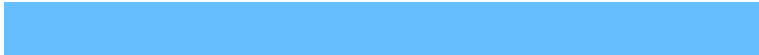
47.2633, 46.8717, 20.9047



32.1603, 46.8717, 43.7905

Rectangle

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



41.9429, 46.8717, 101.4443



53.9753, 46.8717, 88.9690



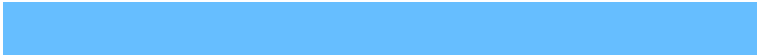
47.2633, 46.8717, 20.9047



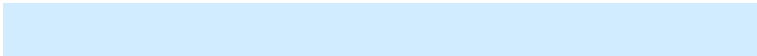
36.2915, 46.8717, 25.7860

Sweetspot

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



41.9444, 46.8733, 101.4445



74.2245, 80.4932, 106.2324



48.1007, 77.0894, 48.3029



15.2558, 16.6184, 22.6535



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.



41.9444, 46.8733, 101.4445



36.4000, 40.0188, 100.4137



29.6334, 22.2513, 97.3408



17.8706, 19.1128, 22.9972



15.0074, 14.9243, 51.5243



1.5696, 1.6698, 5.0529

Inverse Universe

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



55.2867, 34.4820, 52.4585



51.4545, 28.9918, 44.4787



75.4654, 85.8730, 25.1700



18.4473, 18.1622, 20.9728



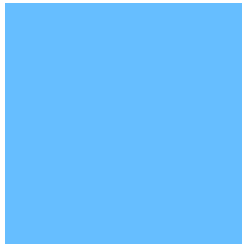
24.3632, 12.2346, 15.8291



2.4268, 1.2131, 1.8292

Previews

White Background



This preview shows how the XYZ color 41.9429, 46.8717, 101.4443 looks on a white background.

Color Contrast Check

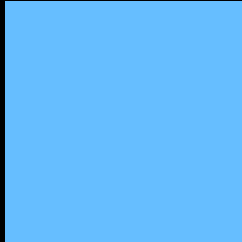
Large Text (above 18pt) WCAG AA × Fail

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 41.9429, 46.8717, 101.4443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

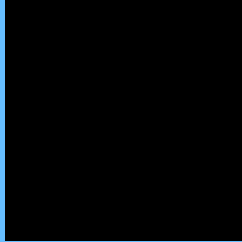
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

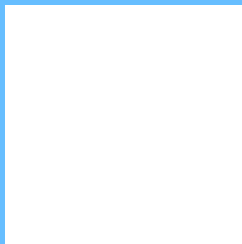
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9429, 46.8717, 101.4443

Background



This preview shows how black text looks on a background with the XYZ color 41.9429, 46.8717, 101.4443.

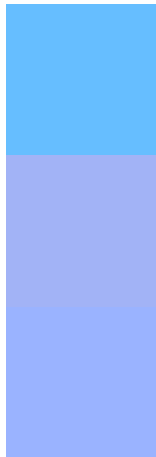


This preview shows how white text looks on a background with the XYZ color 41.9429, 46.8717,

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

41.9429, 46.8717, 101.4443

Protanopia

47.6549, 46.5754, 93.6670

Deuteranopia

47.4965, 46.3302, 101.0470



Tritanopia

35.9878, 47.1280, 70.8182

Trichromacy



Original Color

41.9429, 46.8717, 101.4443

Protanomaly

44.8476, 46.2820, 96.1921

Deuteranomaly

44.9752, 46.2379, 101.1621

Tritanomaly

37.9723, 46.9115, 81.1822

Monochromacy



Original Color

41.9429, 46.8717, 101.4443

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.4351, 42.2160, 61.9999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9429, 46.8717, 101.4443 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, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 190, 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, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 190, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.9429, 46.8717, 101.4443 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, 190, 255) }
```


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

```
.border{ border-color:rgb(102, 190, 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, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 190,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9429, 46.8717, 101.4443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 190, 255) }
```

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

```
.background{ background-color: rgb(102,  
190, 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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