

Converting Colors

XYZ(52.6051, 50.7559,
155.6381)

Have a look what the booklet for
XYZ(52.6051, 50.7559, 155.6381)
contains.

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Color

**XYZ(42.4319, 46.8033,
101.4053)**

Conversions

Conversions Part 1

Format	Color
Hex	6CBDFE
RGB	108, 189, 255
RGB Percent	42%, 74%, 100%
CMY	0.5764, 0.2588, 0.0000
CMYK	0.58, 0.26, 0.00, 0.00
HSL	207°, 100%, 71%
HSV	207°, 58%, 100%
XYZ	42.4319, 46.8033, 101.4053
YIQ	172.3050, -69.4620, 3.3540

Conversions

Conversions Part 2

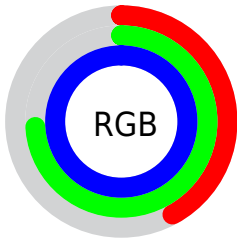
Format	Color
R _Y B	108, 160, 255
Decimal	7126527
CIE Lab	74.06, -6.07, -40.03
CIE LCh	74, 40.487, 261.382
Yxy	46.8033, 0.2226, 0.2455
Android (android.graphics.Color)	4285316607 (0xFF6CBDFF)
YUV	172.3050, 40.7686, -56.3955
Hunter-Lab	68.4129, -9.0112, -39.9937

Details

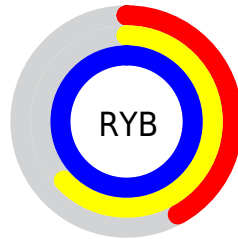
The XYZ color **42.4319, 46.8033, 101.4053** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **59.0841, 52.6167, 21.2313**, and the grayscale version is **39.1938, 41.2349, 44.9048**.

A 20% lighter version of the original color is **67.0646, 80.9598, 106.6999**, and **19.7248, 22.0606, 56.6446** is the 20% darker color. If you saturate the color by 10%, you get **37.4056, 40.7000, 100.4921**, and if you desaturate by 10%, it is **48.5622, 53.7660, 102.4261**.

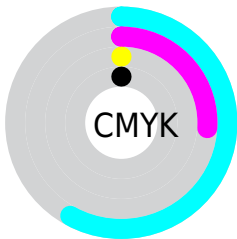
Distribution



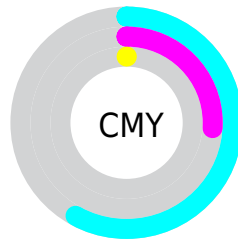
- Red (42%)
- Green (74%)
- Blue (100%)



- Red (42%)
- Yellow (63%)
- Blue (100%)



- Cyan (58%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4319, 46.8033, 101.4053 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 42.4319, 46.8033, 101.4053 by changing the saturation by 10% instead.

■ 42.4319, 46.8033,
101.4053

■ 42.4319, 46.8033,
101.4053

347.2315,
374.0288, 585.9740

■ 29.6322, 32.8802,
76.8513

■ 78.1139, 85.4199,
165.1557

■ 19.7063, 22.0347,
56.6200

■ 101.7270,
110.8822, 205.1892

■ 12.2887, 13.8824,
40.2929

■ 129.6752,
140.9597, 251.2196

■ 7.0142, 8.0389,
27.4515

162.3240,
176.0368, 303.6654

■ 3.5174, 4.1199,
17.6771

200.0387,
216.4979, 362.9453

■ 1.4329, 1.7408,
10.5514

243.1845,

■ 0.2795, 0.4499,

262.7273, 429.4776

5.6557

292.1270,
315.1095, 503.6810

■ 0.0000, 0.0000,
2.5715

■ 0.0000, 0.0000,
0.8777

■ 42.4319, 46.8033,
101.4053

■ 42.4319, 46.8033,
101.4053

■ 37.4056, 40.7000,
100.4921

■ 48.5622, 53.7660,
102.4261

■ 33.3930, 35.4005,
99.6807

■ 55.8682, 61.6290,
103.5588

■ 30.2945, 30.8474,
98.9652

■ 64.4201, 70.4356,
104.8079

■ 27.9786, 26.9657,
98.3380

■ 74.2812, 80.2243,
106.1775

■ 27.5026, 26.1253,
98.2009

■ 85.5099, 91.0312,
107.6717

95.0500, 100.0000,
108.9000

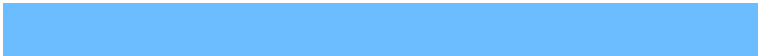
Harmonies

Analogous

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



36.3514, 46.8033, 88.8812



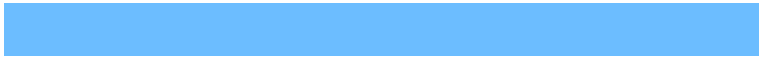
42.4319, 46.8033, 101.4053



49.7550, 46.8033, 97.8199

Triad

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



42.4319, 46.8033, 101.4053



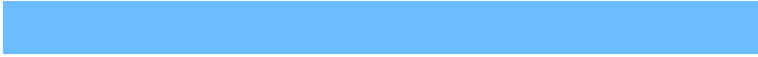
58.7451, 46.8033, 37.7657



34.4724, 46.8033, 29.9111

Complementary

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



42.4319, 46.8033, 101.4053



59.0841, 52.6167, 21.2313

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.



39.6012, 46.8033, 22.1253



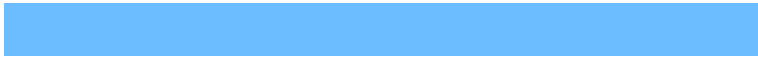
42.4319, 46.8033, 101.4053



53.7498, 46.8033, 25.7299

Square

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



42.4319, 46.8033, 101.4053



59.7143, 46.8033, 57.1704



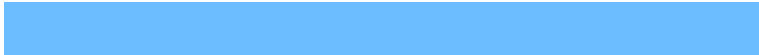
46.6036, 46.8033, 20.8362



32.0940, 46.8033, 45.2180

Rectangle

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



42.4319, 46.8033, 101.4053



54.3353, 46.8033, 87.1026



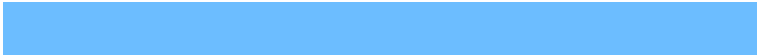
46.6036, 46.8033, 20.8362



35.9037, 46.8033, 26.5215

Sweetspot

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



42.4334, 46.8049, 101.4055



74.9628, 80.8895, 106.2700



49.3632, 77.6758, 51.2721



15.5942, 16.8727, 22.6848



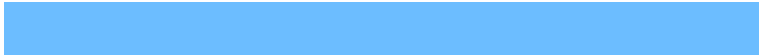
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.4334, 46.8049, 101.4055



36.8042, 39.9356, 100.3763



30.6909, 23.3200, 97.4914



17.8328, 19.0373, 22.9846



14.5221, 13.9537, 51.3625



1.5231, 1.5769, 5.0374

Inverse Universe

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



55.7889, 35.6609, 52.0884



51.8762, 29.9938, 44.1302



76.6603, 87.7691, 27.0901



18.4283, 18.1546, 20.8724



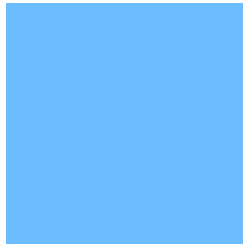
24.1183, 12.1366, 14.5391



2.4034, 1.2037, 1.7057

Previews

White Background



This preview shows how the XYZ color 42.4319, 46.8033, 101.4053 looks on a white background.

Color Contrast Check

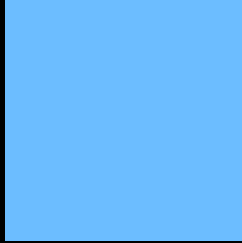
Large Text (above 18pt) WCAG AA × Fail

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 42.4319, 46.8033, 101.4053 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

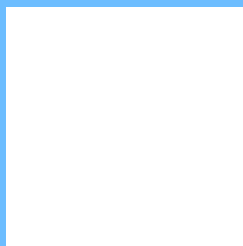
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4319, 46.8033, 101.4053

Background



This preview shows how black text looks on a background with the XYZ color 42.4319, 46.8033, 101.4053.

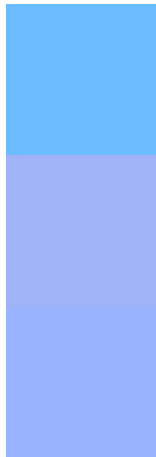


This preview shows how white text looks on a background with the XYZ color 42.4319, 46.8033,

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

42.4319, 46.8033, 101.4053

Protanopia

47.6065, 46.5327, 94.4683

Deuteranopia

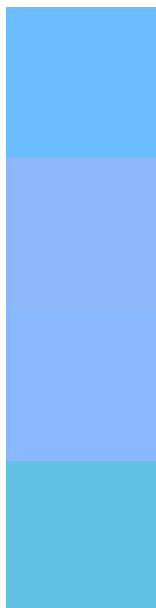
47.4965, 46.3302, 101.0470



Tritanopia

36.2909, 46.9607, 70.1024

Trichromacy



Original Color

42.4319, 46.8033, 101.4053

Protanomaly

45.3441, 46.5199, 97.0318

Deuteranomaly

45.3000, 46.4053, 101.1773

Tritanomaly

38.2251, 46.7264, 80.4032

Monochromacy



Original Color

42.4319, 46.8033, 101.4053

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.9755, 42.4946, 62.0252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4319, 46.8033, 101.4053 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(108, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(108, 189, 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(108, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 189, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.4319, 46.8033, 101.4053 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(108, 189, 255) }
```


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

```
.border{ border-color:rgb(108, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(108, 189,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4319, 46.8033, 101.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 189, 255) }
```

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

```
.background{ background-color: rgb(108,  
189, 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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