

Converting Colors

XYZ(39.8824, 46.4003,
101.4619)

Have a look what the booklet for
XYZ(39.8824, 46.4003, 101.4619)
contains.

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Color

**XYZ(39.9602, 46.4971,
101.4764)**

Conversions

Conversions Part 1

Format	Color
Hex	4DC0FF
RGB	77, 192, 255
RGB Percent	30%, 75%, 100%
CMY	0.6980, 0.2470, 0.0000
CMYK	0.70, 0.25, 0.00, 0.00
HSL	201°, 100%, 65%
HSV	201°, 70%, 100%
XYZ	39.9602, 46.4971, 101.4764
YIQ	164.7970, -88.7630, -4.7870

Conversions

Conversions Part 2

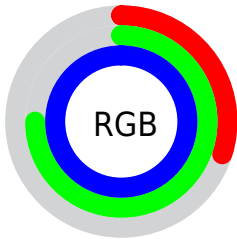
Format	Color
RYB	77, 147, 255
Decimal	5095679
CIELab	73.87, -12.79, -40.42
CIELCh	74, 42.390, 252.443
Yxy	46.4971, 0.2126, 0.2474
Android (android.graphics.Color)	4283285759 (0xFF4DC0FF)
YUV	164.7970, 44.4701, -76.9980
Hunter-Lab	68.1888, -14.7252, -40.5014

Details

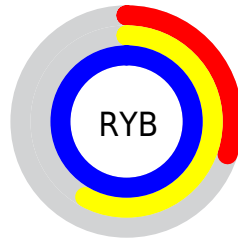
The XYZ color **39.9602, 46.4971, 101.4764** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **51.9593, 40.5547, 12.1125**, and the grayscale version is **35.4934, 37.3418, 40.6652**.

A 20% lighter version of the original color is **63.1190, 80.2841, 106.7774**, and **19.4257, 22.5425, 56.7534** is the 20% darker color. If you saturate the color by 10%, you get **36.3699, 41.7947, 100.7580**, and if you desaturate by 10%, it is **44.4808, 51.8611, 102.2736**.

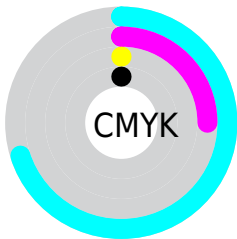
Distribution



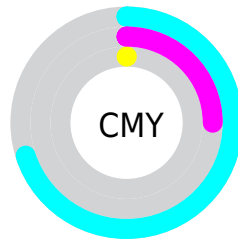
- Red (30%)
- Green (75%)
- Blue (100%)



- Red (30%)
- Yellow (58%)
- Blue (100%)



- Cyan (70%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9602, 46.4971, 101.4764 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 39.9602, 46.4971, 101.4764 by changing the saturation by 10% instead.

■ 39.9602, 46.4971,
101.4764

■ 39.9602, 46.4971,
101.4764

337.0931,
372.8036, 586.2029

■ 27.6916, 32.6383,
76.9104

■ 74.3876, 84.9625,
165.2542

■ 18.2326, 21.8495,
56.6682

■ 97.2772, 110.3378,
205.3030

■ 11.2178, 13.7463,
40.3313

■ 124.4377,
140.3207, 251.3498

■ 6.2819, 7.9445,
27.4812

■ 156.2346,
175.2957, 303.8131

■ 3.0595, 4.0594,
17.6993

193.0333,
215.6471, 363.1116

■ 1.1853, 1.7069,
10.5671

235.1990,

■ 0.0947, 0.4281,

261.7592, 429.6637

5.6661

283.0971,
314.0166, 503.8879

■ 0.0000, 0.0000,
2.5776

■ 0.0000, 0.0000,
0.8809

■ 39.9602, 46.4971,
101.4764

■ 39.9602, 46.4971,
101.4764

■ 36.3699, 41.7947,
100.7580

■ 44.4808, 51.8611,
102.2736

■ 33.6030, 37.6932,
100.1122

■ 50.0136, 57.9297,
103.1533

■ 31.4982, 34.1069,
99.5309

■ 56.6357, 64.7464,
104.1200

■ 31.4592, 34.0384,
99.5197

■ 64.4152, 72.3494,
105.1775

■ 73.4140, 80.7734,
106.3292

■ 83.6898, 90.0510,
107.5784

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.



34.3285, 46.4971, 84.1652



39.9602, 46.4971, 101.4764



47.3945, 46.4971, 103.0098

Triad

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



39.9602, 46.4971, 101.4764



59.9303, 46.4971, 42.1919



35.1080, 46.4971, 25.7377

Complementary

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



39.9602, 46.4971, 101.4764



51.9593, 40.5547, 12.1125

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.



41.1411, 46.4971, 19.9258



39.9602, 46.4971, 101.4764



55.7890, 46.4971, 27.4443

Square

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



39.9602, 46.4971, 101.4764



59.5206, 46.4971, 64.2252



48.7170, 46.4971, 20.4457



31.7541, 46.4971, 39.0987

Rectangle

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



39.9602, 46.4971, 101.4764



52.4434, 46.4971, 94.4146



48.7170, 46.4971, 20.4457



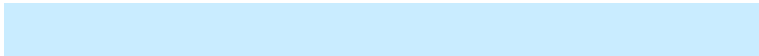
36.8587, 46.4971, 23.0334

Sweetspot

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



39.9617, 46.4987, 101.4767



72.2674, 79.7176, 106.1859



43.5042, 74.9713, 36.7220



14.9185, 16.5530, 22.6587



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.



39.9617, 46.4987, 101.4767



35.1139, 40.0021, 100.4782



26.0326, 18.6405, 96.8336



17.9822, 19.3360, 23.0344



16.5840, 18.0776, 52.0498



1.7177, 1.9661, 5.1022

Inverse Universe

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



53.4094, 30.3752, 52.9187



50.1815, 26.0943, 45.1383



70.4064, 77.4489, 18.2616



18.5037, 18.1848, 21.2695



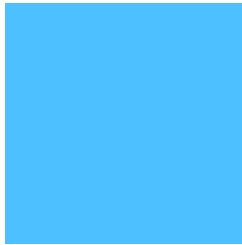
25.1590, 12.5529, 20.0198



2.5016, 1.2430, 2.2230

Previews

White Background



This preview shows how the XYZ color 39.9602, 46.4971, 101.4764 looks on a white background.

Color Contrast Check

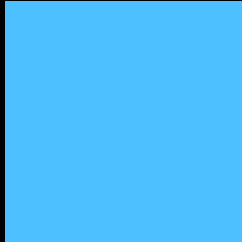
Large Text (above 18pt) WCAG AA × Fail

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 39.9602, 46.4971, 101.4764 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

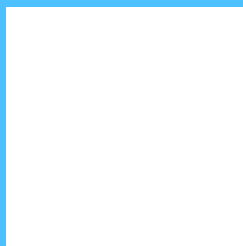
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.9602, 46.4971, 101.4764

Background



This preview shows how black text looks on a background with the XYZ color 39.9602, 46.4971, 101.4764.



This preview shows how white text looks on a background with the XYZ color 39.9602, 46.4971,

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

39.9602, 46.4971, 101.4764

Protanopia

46.9475, 45.9495, 91.9827

Deuteranopia

47.1190, 46.1356, 101.0294



Tritanopia

33.9558, 46.4061, 71.4576

Trichromacy



Original Color

39.9602, 46.4971, 101.4764

Protanomaly

43.0827, 45.3901, 95.2974

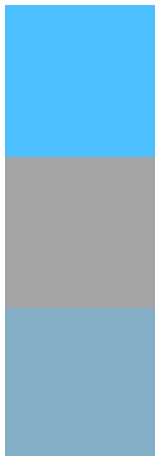
Deuteranomaly

43.6479, 45.8610, 101.1593

Tritanomaly

35.8265, 46.1228, 81.8773

Monochromacy



Original Color

39.9602, 46.4971, 101.4764

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.1959, 39.7237, 59.2385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9602, 46.4971, 101.4764 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(77, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 192, 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(77, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 192, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.9602, 46.4971, 101.4764 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(77, 192, 255) }
```


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

```
.border{ border-color:rgb(77, 192, 255) }
```

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

Here you see how a box with a 4 pixel rgb(77, 192, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 192,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9602, 46.4971, 101.4764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 192, 255) }
```

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

```
.background{ background-color: rgb(77, 192,  
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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