

Converting Colors

XYZ(39.8180, 46.8540,
101.5528)

Have a look what the booklet for
XYZ(39.8180, 46.8540, 101.5528)
contains.

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Color

**XYZ(39.7185, 46.6995,
101.5283)**

Conversions

Conversions Part 1

Format	Color
Hex	47C1FF
RGB	71, 193, 255
RGB Percent	28%, 76%, 100%
CMY	0.7215, 0.2431, 0.0000
CMYK	0.72, 0.24, 0.00, 0.00
HSL	200°, 100%, 64%
HSV	200°, 72%, 100%
XYZ	39.7185, 46.6995, 101.5283
YIQ	163.5900, -92.6140, -6.5820

Conversions

Conversions Part 2

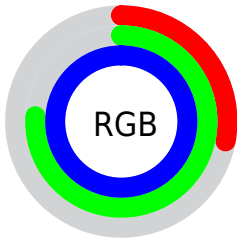
Format	Color
R _Y B	71, 144, 255
Decimal	4702719
CIE Lab	74.00, -14.11, -40.22
CIE LCh	74, 42.625, 250.676
Yxy	46.6995, 0.2113, 0.2485
Android (android.graphics.Color)	4282892799 (0xFF47C1FF)
YUV	163.5900, 45.0651, -81.2014
Hunter-Lab	68.3370, -15.8430, -40.2512

Details

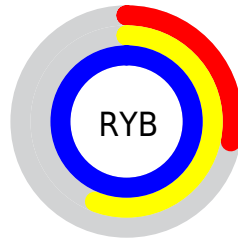
The XYZ color **39.7185, 46.6995, 101.5283** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **50.7667, 38.4930, 10.7176**, and the grayscale version is **34.9187, 36.7372, 40.0068**.

A 20% lighter version of the original color is **62.7409, 80.5468, 106.8480**, and **19.5711, 22.8334, 56.8019** is the 20% darker color. If you saturate the color by 10%, you get **36.3806, 42.2410, 100.8436**, and if you desaturate by 10%, it is **43.9536, 51.7860, 102.2868**.

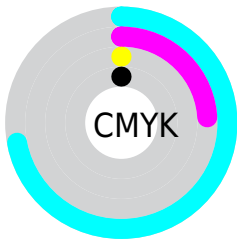
Distribution



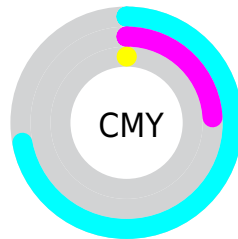
- Red (28%)
- Green (76%)
- Blue (100%)



- Red (28%)
- Yellow (56%)
- Blue (100%)



- Cyan (72%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7185, 46.6995, 101.5283 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 39.7185, 46.6995, 101.5283 by changing the saturation by 10% instead.

■ 39.7185, 46.6995,
101.5283

■ 39.7185, 46.6995,
101.5283

336.0905,
373.6138, 586.3700

■ 27.5024, 32.7982,
76.9535

■ 74.0217, 85.2649,
165.3260

■ 18.0894, 21.9719,
56.7034

■ 96.8395, 110.6977,
205.3860

■ 11.1143, 13.8362,
40.3594

■ 123.9220,
140.7432, 251.4448

■ 6.2116, 8.0068,
27.5029

■ 155.6343,
175.7857, 303.9210

■ 3.0161, 4.0993,
17.7155

192.3420,
216.2096, 363.2330

■ 1.1623, 1.7293,
10.5786

234.4103,

■ 0.0763, 0.4425,

262.3993, 429.7995

5.6737

282.2047,
314.7393, 504.0390

■ 0.0000, 0.0000,
2.5821

■ 0.0000, 0.0000,
0.8832

■ 39.7185, 46.6995,
101.5283

■ 39.7185, 46.6995,
101.5283

■ 36.3806, 42.2410,
100.8436

■ 43.9536, 51.7860,
102.2868

■ 33.8282, 38.3478,
100.2267

■ 49.1708, 57.5444,
103.1234

■ 32.2516, 35.6232,
99.7839

■ 55.4491, 64.0191,
104.0422

■ 62.8576, 71.2481,
105.0471

■ 71.4597, 79.2667,
106.1414

■ 81.3134, 88.1072,
107.3285

■ 92.4730, 97.8001,
108.6112

■ 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.



34.1886, 46.6995, 83.3424



39.7185, 46.6995, 101.5283



47.1526, 46.6995, 104.1439

Triad

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



39.7185, 46.6995, 101.5283



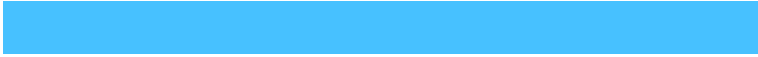
60.3736, 46.6995, 43.4733



35.5164, 46.6995, 25.2283

Complementary

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



39.7185, 46.6995, 101.5283



50.7667, 38.4930, 10.7176

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.



41.7307, 46.6995, 19.7846



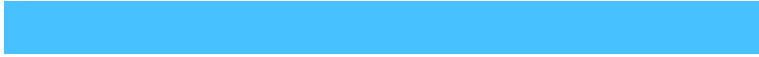
39.7185, 46.6995, 101.5283



56.4339, 46.6995, 28.1337

Square

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



39.7185, 46.6995, 101.5283



59.6752, 46.6995, 66.0134



49.4066, 46.6995, 20.6692



31.9612, 46.6995, 38.2033

Rectangle

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



39.7185, 46.6995, 101.5283



52.2777, 46.6995, 96.0745



49.4066, 46.6995, 20.6692



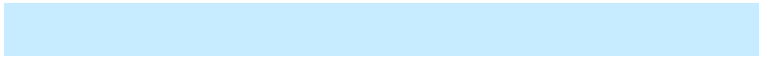
37.3323, 46.6995, 22.6516

Sweetspot

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



39.7200, 46.7010, 101.5285



71.5998, 79.3947, 106.1587



42.5478, 74.5354, 34.0969



14.7990, 16.5105, 22.6568



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.



39.7200, 46.7010, 101.5285



35.0525, 40.2869, 100.5364



25.3692, 17.9995, 96.7449



18.0091, 19.3898, 23.0434



16.9957, 18.9010, 52.1871



1.7558, 2.0424, 5.1149

Inverse Universe

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



53.1200, 29.6185, 53.3707



50.0511, 25.6613, 45.6255



69.1237, 75.2069, 16.8366



18.5172, 18.1902, 21.3409



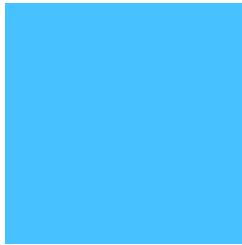
25.3669, 12.6360, 21.1141



2.5209, 1.2507, 2.3243

Previews

White Background



This preview shows how the XYZ color 39.7185, 46.6995, 101.5283 looks on a white background.

Color Contrast Check

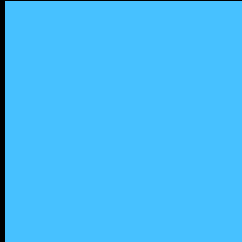
Large Text (above 18pt) WCAG AA × Fail

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 39.7185, 46.6995, 101.5283 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

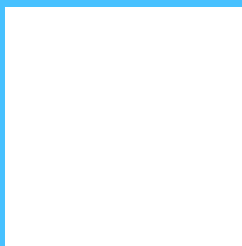
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.7185, 46.6995, 101.5283

Background



This preview shows how black text looks on a background with the XYZ color 39.7185, 46.6995, 101.5283.



This preview shows how white text looks on a background with the XYZ color 39.7185, 46.6995,

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

39.7185, 46.6995, 101.5283

Protanopia

47.1498, 46.0538, 91.9922

Deuteranopia

47.3070, 46.2325, 101.0382



Tritanopia

33.8856, 46.6978, 72.1934

Trichromacy



Original Color

39.7185, 46.6995, 101.5283

Protanomaly

42.9300, 45.3114, 95.2903

Deuteranomaly

43.3589, 45.7119, 101.1458

Tritanomaly

35.6144, 46.3495, 81.9322

Monochromacy



Original Color

39.7185, 46.6995, 101.5283

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.6139, 39.4370, 58.6111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7185, 46.6995, 101.5283 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(71, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 193, 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(71, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 193, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.7185, 46.6995, 101.5283 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(71, 193, 255) }
```


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

```
.border{ border-color:rgb(71, 193, 255) }
```

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

Here you see how a box with a 4 pixel rgb(71, 193, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 193,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7185, 46.6995, 101.5283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 193, 255) }
```

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

```
.background{ background-color: rgb(71, 193,  
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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