

Converting Colors

XYZ(46.8596, 53.4803, 99.9484)

Have a look what the booklet for
XYZ(46.8596, 53.4803, 99.9484)
contains.

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Color

**XYZ(46.8596, 53.4803,
99.9484)**

Conversions

Conversions Part 1

Format	Color
Hex	7BCAFC
RGB	123, 202, 252
RGB Percent	48%, 79%, 99%
CMY	0.5176, 0.2078, 0.0118
CMYK	0.51, 0.20, 0.00, 0.01
HSL	203°, 96%, 74%
HSV	203°, 51%, 99%
XYZ	46.8596, 53.4803, 99.9484
YIQ	184.0790, -63.1340, -1.1980

Conversions

Conversions Part 2

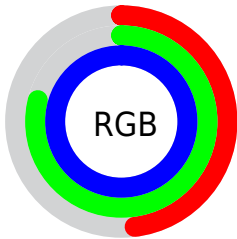
Format	Color
R _{YB}	123, 172, 252
Decimal	8112892
CIE Lab	78.16, -10.86, -32.03
CIE LCh	78, 33.822, 251.274
Yxy	53.4803, 0.2340, 0.2670
Android (android.graphics.Color)	4286302972 (0xFF7BCAFC)
YUV	184.0790, 33.4851, -53.5663
Hunter-Lab	73.1302, -13.6006, -29.8416

Details

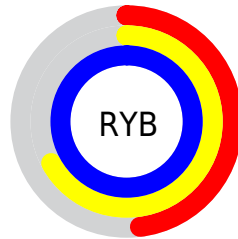
The XYZ color **46.8596, 53.4803, 99.9484** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.6652, 52.0146, 25.6887**, and the grayscale version is **45.4511, 47.8181, 52.0739**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **22.3647, 26.1120, 55.4911** is the 20% darker color. If you saturate the color by 10%, you get **41.4884, 47.4171, 99.0622**, and if you desaturate by 10%, it is **53.3071, 60.3158, 100.9290**.

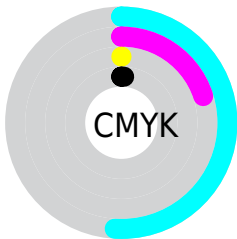
Distribution



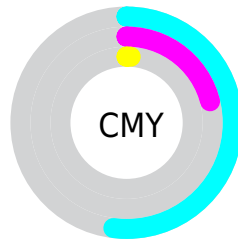
- Red (48%)
- Green (79%)
- Blue (99%)



- Red (48%)
- Yellow (67%)
- Blue (99%)



- Cyan (51%)
- Magenta (20%)
- Yellow (0%)
- Black (1%)



- Cyan (52%)
- Magenta (21%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8596, 53.4803, 99.9484 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 46.8596, 53.4803, 99.9484 by changing the saturation by 10% instead.

■ 46.8596, 53.4803,
99.9484

■ 46.8596, 53.4803,
99.9484

364.9121,
400.1251, 581.2725

■ 33.1322, 38.1863,
75.6408

■ 84.7240, 95.3108,
163.1375

■ 22.3874, 26.1273,
55.6331

■ 109.5917,
122.6160, 202.8561

■ 14.2600, 16.9189,
39.5068

■ 138.9036,
154.6938, 248.5488

■ 8.3847, 10.1767,
26.8434

173.0249,
191.9286, 300.6342

■ 4.3959, 5.5163,
17.2242

212.3210,
234.7047, 359.5306

■ 1.9285, 2.5532,
10.2308

257.1574,

■ 0.5933, 0.9032,

283.4066, 425.6568

5.4447

307.8993,
338.4186, 499.4313

■ 0.0000, 0.0000,
2.4472

■ 0.0000, 0.0000,
0.8120

■ 46.8596, 53.4803,
99.9484

■ 46.8596, 53.4803,
99.9484

■ 41.4884, 47.4171,
99.0622

■ 53.3071, 60.3158,
100.9290

■ 37.1127, 42.0775,
98.2621

■ 60.8932, 67.9565,
102.0039

■ 33.6482, 37.4149,
97.5448

■ 69.6813, 76.4397,
103.1782

■ 30.9916, 33.3720,
96.9044

■ 79.7283, 85.7986,
104.4551

■ 29.1804, 30.2475,
96.3968

■ 91.0875, 96.0641,
105.8378

■ 94.5709, 99.8083,
106.3770

Harmonies

Analogous

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



41.8660, 53.4803, 85.6903



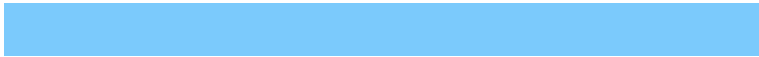
46.8596, 53.4803, 99.9484



53.3565, 53.4803, 101.7140

Triad

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



46.8596, 53.4803, 99.9484



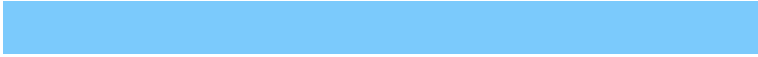
64.3409, 53.4803, 51.4017



42.9007, 53.4803, 34.9367

Complementary

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



46.8596, 53.4803, 99.9484



58.6652, 52.0146, 25.6887

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.



48.3873, 53.4803, 29.3337



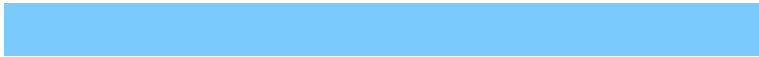
46.8596, 53.4803, 99.9484



60.9933, 53.4803, 37.3708

Square

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



46.8596, 53.4803, 99.9484



63.8419, 53.4803, 70.7148



55.0216, 53.4803, 30.1158



39.7208, 53.4803, 47.3103

Rectangle

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



46.8596, 53.4803, 99.9484



57.7182, 53.4803, 95.2063



55.0216, 53.4803, 30.1158



44.5155, 53.4803, 32.3341

Sweetspot

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



46.8614, 53.4823, 99.9497



77.8025, 84.3564, 106.7895



50.4701, 76.8290, 51.4282



16.1863, 17.6212, 22.7981



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.



46.8614, 53.4823, 99.9497



42.6949, 48.7982, 101.7765



34.8366, 29.4326, 95.9414



17.1680, 18.4127, 22.0345



15.3476, 16.0508, 50.2628



1.5243, 1.6922, 4.6895

Inverse Universe

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



57.8901, 39.1275, 60.3803



55.5621, 34.1962, 55.1297



73.9911, 82.6663, 30.7973



17.6913, 17.4039, 20.2302



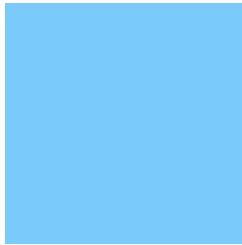
24.0388, 12.0312, 17.4446



2.2783, 1.1351, 1.8890

Previews

White Background



This preview shows how the XYZ color 46.8596, 53.4803, 99.9484 looks on a white background.

Color Contrast Check

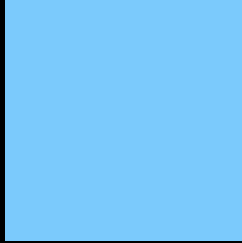
Large Text (above 18pt) WCAG AA × Fail

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 46.8596, 53.4803, 99.9484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

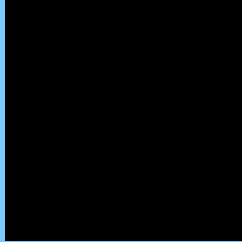
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8596, 53.4803, 99.9484

Background



This preview shows how black text looks on a background with the XYZ color 46.8596, 53.4803, 99.9484.



This preview shows how white text looks on a background with the XYZ color 46.8596, 53.4803,

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

46.8596, 53.4803, 99.9484

Protanopia

53.1815, 52.8817, 92.1982

Deuteranopia

54.3791, 52.9623, 101.9644



Tritanopia

42.5774, 53.5182, 78.6070

Trichromacy



Original Color

46.8596, 53.4803, 99.9484

Protanomaly

50.2244, 52.6083, 94.6961

Deuteranomaly

51.0858, 52.9074, 101.2856

Tritanomaly

44.0187, 53.3851, 85.8262

Monochromacy



Original Color

46.8596, 53.4803, 99.9484

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.0397, 49.5464, 67.5112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8596, 53.4803, 99.9484 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(123, 202, 252)` looks like.

```
.text, #text, p{  
    color:rgb(123, 202, 252)  
}
```

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(123, 202, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 202, 252) }
```

Border

The CSS property to change the border of an element to XYZ 46.8596, 53.4803, 99.9484 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(123, 202, 252) }
```


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

```
.border{ border-color:rgb(123, 202, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 202, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 202, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 202, 252);  
box-shadow:4px 4px 4px 4px rgb(123, 202,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8596, 53.4803, 99.9484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 202, 252) }
```

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

```
.background{ background-color: rgb(123,  
202, 252) }
```

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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