

Converting Colors

XYZ(46.3846, 59.5472,
100.3172)

Have a look what the booklet for
XYZ(46.3846, 59.5472, 100.3172)
contains.

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Color

**XYZ(46.4003, 59.5129,
100.3084)**

Conversions

Conversions Part 1

Format	Color
Hex	54DBFB
RGB	84, 219, 251
RGB Percent	33%, 86%, 98%
CMY	0.6705, 0.1412, 0.0157
CMYK	0.67, 0.13, 0.00, 0.02
HSL	191°, 95%, 66%
HSV	191°, 67%, 98%
XYZ	46.4003, 59.5129, 100.3084
YIQ	182.2830, -90.7320, -18.6680

Conversions

Conversions Part 2

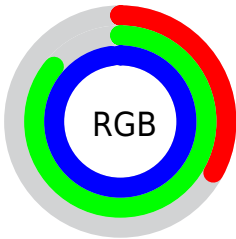
Format	Color
RYB	84, 159, 251
Decimal	5561339
CIELab	81.57, -26.87, -26.38
CIELCh	82, 37.655, 224.466
Yxy	59.5129, 0.2250, 0.2886
Android (android.graphics.Color)	4283751419 (0xFF54DBFB)
YUV	182.2830, 33.8775, -86.1942
Hunter-Lab	77.1446, -27.6404, -23.0915

Details

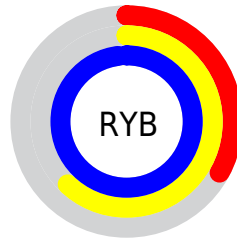
The XYZ color **46.4003, 59.5129, 100.3084** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **47.6312, 33.6425, 12.3729**, and the grayscale version is **44.4765, 46.7928, 50.9573**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **23.0131, 30.4460, 55.7027** is the 20% darker color. If you saturate the color by 10%, you get **43.3067, 56.0833, 99.8106**, and if you desaturate by 10%, it is **50.3384, 63.4340, 100.8588**.

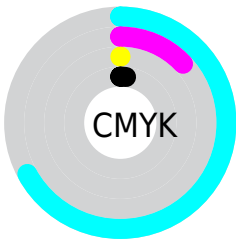
Distribution



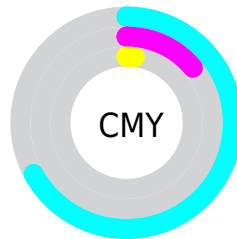
- Red (33%)
- Green (86%)
- Blue (98%)



- Red (33%)
- Yellow (62%)
- Blue (98%)



- Cyan (67%)
- Magenta (13%)
- Yellow (0%)
- Black (2%)



- Cyan (67%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4003, 59.5129, 100.3084 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 46.4003, 59.5129, 100.3084 by changing the saturation by 10% instead.

46.4003, 59.5129,
100.3084

46.4003, 59.5129,
100.3084

363.1047,
422.8000, 582.4361

32.7678, 43.0261,
75.9398

84.0420, 104.1227,
163.6365

22.1070, 29.9056,
55.8768

108.7818,
133.0146, 203.4331

14.0526, 19.7670,
39.7008

137.9548,
166.8103, 249.2094

8.2392, 12.2258,
26.9933

171.9264,
205.8942, 301.3840

4.3015, 6.8976,
17.3358

211.0617,
250.6508, 360.3755

1.8741, 3.3982,
10.3097

255.7264,

0.5617, 1.3430,

301.4643, 426.6023

5.4965

306.2856,
358.7193, 500.4830

■ 0.0000, 0.1741,
2.4776

■ 0.0000, 0.0000,
0.8283

■ 46.4003, 59.5129,
100.3084

■ 46.4003, 59.5129,
100.3084

■ 43.3067, 56.0833,
99.8106

■ 50.3384, 63.4340,
100.8588

■ 40.9610, 53.0915,
99.3568

■ 55.1929, 67.8806,
101.4612

■ 39.2515, 50.4806,
98.9429

■ 61.0339, 72.8906,
102.1204

■ 38.7464, 49.6323,
98.8058

■ 67.9235, 78.4961,
102.8393

■ 75.9181, 84.7269,
103.6206

■ 85.0701, 91.6104,
104.4668

■ 93.6741, 98.2677,
105.2984

■ 94.4128, 99.7451,
105.5446

Harmonies

Analogous

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



43.0921, 59.5129, 76.2884



46.4003, 59.5129, 100.3084



52.5931, 59.5129, 116.4138

Triad

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



46.4003, 59.5129, 100.3084



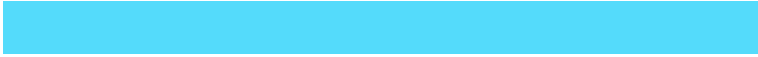
72.5027, 59.5129, 77.1650



52.8541, 59.5129, 31.1383

Complementary

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



46.4003, 59.5129, 100.3084



47.6312, 33.6425, 12.3729

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.



60.7325, 59.5129, 31.2672



46.4003, 59.5129, 100.3084



72.5892, 59.5129, 54.5261

Square

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



46.4003, 59.5129, 100.3084



67.8894, 59.5129, 101.0777



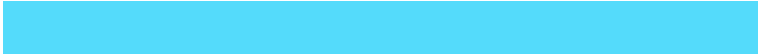
68.1158, 59.5129, 38.8486



46.5760, 59.5129, 38.4423

Rectangle

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



46.4003, 59.5129, 100.3084



57.7566, 59.5129, 118.5807



68.1158, 59.5129, 38.8486



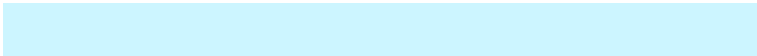
55.3904, 59.5129, 30.3792

Sweetspot

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



46.4022, 59.5151, 100.3098



75.6731, 85.5000, 107.1225



41.2277, 72.1097, 27.8525



15.6975, 17.9112, 22.8798



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.



46.4022, 59.5151, 100.3098



43.9481, 56.9895, 103.2915



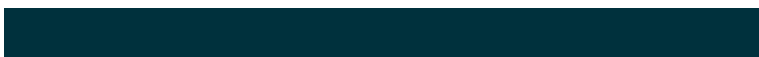
30.0000, 26.7107, 94.8425



17.4666, 19.0100, 22.1340



20.4692, 26.2939, 51.9699



1.9659, 2.5755, 4.8367

Inverse Universe

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



55.7419, 31.9664, 70.2522



54.8069, 28.5809, 67.5329



61.6065, 61.5932, 17.0313



17.8420, 17.4642, 21.0240



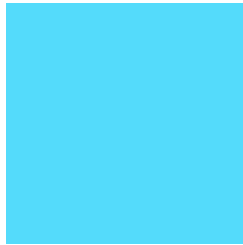
26.6239, 13.0653, 31.0576



2.5012, 1.2242, 3.0628

Previews

White Background



This preview shows how the XYZ color 46.4003, 59.5129, 100.3084 looks on a white background.

Color Contrast Check

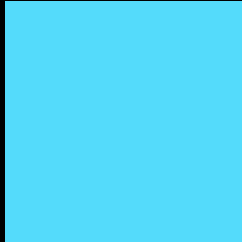
Large Text (above 18pt) WCAG AA × Fail

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 46.4003, 59.5129, 100.3084 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 46.4003, 59.5129, 100.3084 Background



This preview shows how black text looks on a background with the XYZ color 46.4003, 59.5129, 100.3084.

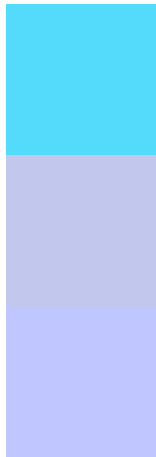


This preview shows how white text looks on a background with the XYZ color 46.4003, 59.5129,

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

46.4003, 59.5129, 100.3084

Protanopia

58.1042, 58.4892, 89.1161

Deuteranopia

59.9823, 58.8146, 102.7987



Tritanopia

44.4970, 59.5227, 90.8051

Trichromacy



Original Color

46.4003, 59.5129, 100.3084



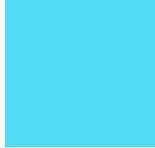
Protanomaly

51.5754, 57.4837, 93.1712



Deuteranomaly

53.0976, 58.0707, 102.1762



Tritanomaly

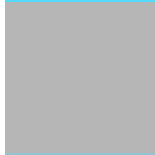
45.0791, 59.3629, 93.8763

Monochromacy



Original Color

46.4003, 59.5129, 100.3084



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

42.6317, 49.6462, 66.3672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4003, 59.5129, 100.3084 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(84, 219, 251)` looks like.

```
.text, #text, p{  
    color:rgb(84, 219, 251)  
}
```

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(84, 219, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 219, 251) }
```

Border

The CSS property to change the border of an element to XYZ 46.4003, 59.5129, 100.3084 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(84, 219, 251) }
```


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

```
.border{ border-color:rgb(84, 219, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 219, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 219, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 219, 251);  
box-shadow:4px 4px 4px 4px rgb(84, 219,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4003, 59.5129, 100.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 219, 251) }
```

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

```
.background{ background-color: rgb(84, 219,  
251) }
```

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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