

Converting Colors

XYZ(46.2499, 58.9997, 99.0155)

Have a look what the booklet for
XYZ(46.2499, 58.9997, 99.0155)
contains.

XYZ(46.3512, 59.1196, 99.4107)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.3512, 59.1196,
99.4107)**

Conversions

Conversions Part 1

Format	Color
Hex	58DAFA
RGB	88, 218, 250
RGB Percent	35%, 85%, 98%
CMY	0.6549, 0.1451, 0.0196
CMYK	0.65, 0.13, 0.00, 0.02
HSL	192°, 94%, 66%
HSV	192°, 65%, 98%
XYZ	46.3512, 59.1196, 99.4107
YIQ	182.7780, -87.7520, -17.6080

Conversions

Conversions Part 2

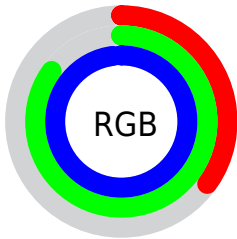
Format	Color
RYB	88, 160, 250
Decimal	5823226
CIELab	81.36, -26.08, -26.17
CIELCh	81, 36.946, 225.090
Yxy	59.1196, 0.2262, 0.2886
Android (android.graphics.Color)	4284013306 (0xFF58DAFA)
YUV	182.7780, 33.1404, -83.1203
Hunter-Lab	76.8893, -26.9510, -22.8340

Details

The XYZ color **46.3512, 59.1196, 99.4107** 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 **47.9040, 34.4637, 13.3619**, and the grayscale version is **44.7490, 47.0795, 51.2696**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **22.7228, 30.0446, 55.0537** is the 20% darker color. If you saturate the color by 10%, you get **43.1166, 55.5804, 98.8992**, and if you desaturate by 10%, it is **50.4388, 63.1576, 99.9758**.

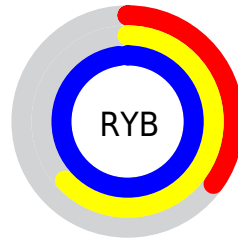
Distribution



Red (35%)

Green (85%)

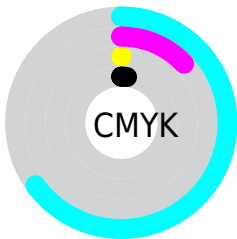
Blue (98%)



Red (35%)

Yellow (63%)

Blue (98%)

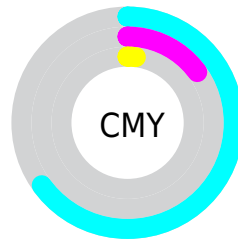


Cyan (65%)

Magenta (13%)

Yellow (0%)

Black (2%)



Cyan (65%)

Magenta (15%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3512, 59.1196, 99.4107 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 46.3512, 59.1196, 99.4107 by changing the saturation by 10% instead.

46.3512, 59.1196,
99.4107

46.3512, 59.1196,
99.4107

362.9111,
421.3450, 579.5322

32.7288, 42.7094,
75.1943

83.9690, 103.5515,
162.3919

22.0770, 29.6572,
55.2694

108.6952,
132.3419, 201.9939

14.0304, 19.5785,
39.2174

137.8533,
166.0279, 247.5614

8.2237, 12.0890,
26.6198

171.8088,
204.9939, 299.5131

4.2914, 6.8043,
17.0580

210.9269,
249.6242, 358.2675

1.8683, 3.3400,
10.1134

255.5731,

0.5583, 1.3117,

300.3032, 424.2431

5.3676

306.1127,
357.4153, 497.8585

■ 0.0000, 0.1503,
2.4021

■ 0.0000, 0.0000,
0.7876

■ 46.3512, 59.1196,
99.4107

■ 46.3512, 59.1196,
99.4107

■ 43.1166, 55.5804,
98.8992

■ 50.4388, 63.1576,
99.9758

■ 40.6419, 52.4879,
98.4327

■ 55.4486, 67.7269,
100.5937

■ 38.8221, 49.7887,
98.0076

■ 61.4492, 72.8645,
101.2691

■ 38.0534, 48.4979,
97.7990

■ 68.5006, 78.6020,
102.0049

■ 76.6582, 84.9683,
102.8038

■ 85.9734, 91.9903,
103.6682

■ 93.4855, 98.1422,
104.4597

■ 94.2555, 99.6822,
104.7163

Harmonies

Analogous

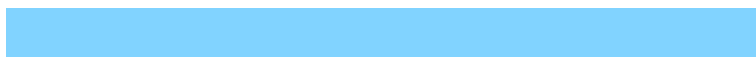
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.0452, 59.1196, 76.0834



46.3512, 59.1196, 99.4107



52.4586, 59.1196, 114.8010

Triad

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



46.3512, 59.1196, 99.4107



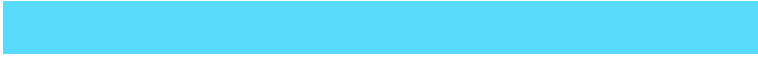
71.7881, 59.1196, 75.9385



52.4154, 59.1196, 31.4354

Complementary

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



46.3512, 59.1196, 99.4107



47.9040, 34.4637, 13.3619

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.



60.0972, 59.1196, 31.4139



46.3512, 59.1196, 99.4107



71.7738, 59.1196, 53.9272

Square

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



46.3512, 59.1196, 99.4107



67.3716, 59.1196, 99.2839



67.3342, 59.1196, 38.7168



46.3220, 59.1196, 38.7845

Rectangle

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



46.3512, 59.1196, 99.4107



57.5186, 59.1196, 116.6689



67.3342, 59.1196, 38.7168



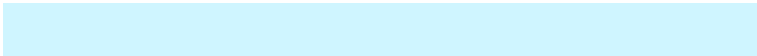
54.8848, 59.1196, 30.6373

Sweetspot

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



46.3531, 59.1218, 99.4121



76.4391, 85.9858, 107.1759



41.4641, 71.7483, 28.7121



15.8430, 17.9991, 22.8891



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.



46.3531, 59.1218, 99.4121



44.1685, 57.0276, 103.2872



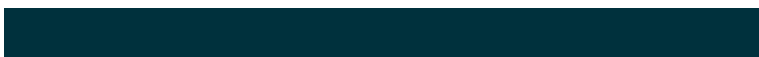
30.5580, 27.5316, 94.1471



17.4575, 18.9918, 22.1310



20.2881, 25.9317, 51.9096



1.9507, 2.5450, 4.8316

Inverse Universe

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



55.5706, 32.3673, 69.6504



55.0164, 29.0410, 67.4760



61.5420, 61.7397, 17.9079



17.8374, 17.4623, 20.9997



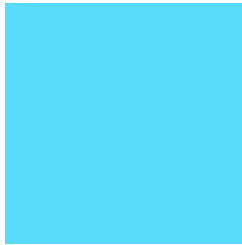
26.5325, 13.0287, 30.5763



2.4935, 1.2211, 3.0223

Previews

White Background



This preview shows how the XYZ color 46.3512, 59.1196, 99.4107 looks on a white background.

Color Contrast Check

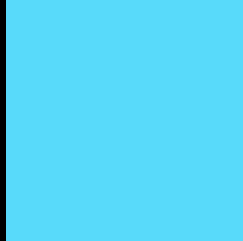
Large Text (above 18pt) WCAG AA × Fail

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 46.3512, 59.1196, 99.4107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

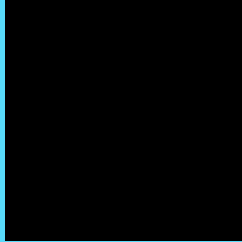
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3512, 59.1196, 99.4107

Background



This preview shows how black text looks on a background with the XYZ color 46.3512, 59.1196, 99.4107.



This preview shows how white text looks on a background with the XYZ color 46.3512, 59.1196,

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

46.3512, 59.1196, 99.4107

Protanopia

57.7018, 58.2987, 88.3323

Deuteranopia

59.7545, 58.3590, 102.7227



Tritanopia

44.5055, 59.1533, 89.9610

Trichromacy



Original Color

46.3512, 59.1196, 99.4107

Protanomaly

51.6159, 57.5220, 92.3868

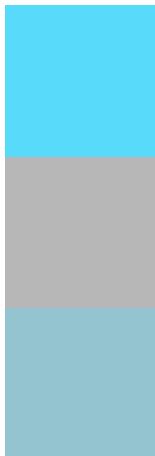
Deuteranomaly

52.8874, 57.6245, 101.2637

Tritanomaly

45.0147, 58.9587, 93.0120

Monochromacy



Original Color

46.3512, 59.1196, 99.4107

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.2152, 50.2807, 66.4590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3512, 59.1196, 99.4107 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(88, 218, 250)` looks like.

```
.text, #text, p{  
    color:rgb(88, 218, 250)  
}
```

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(88, 218, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 218, 250) }
```

Border

The CSS property to change the border of an element to XYZ 46.3512, 59.1196, 99.4107 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(88, 218, 250) }
```


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

```
.border{ border-color:rgb(88, 218, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 218, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 218, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 218, 250);  
box-shadow:4px 4px 4px 4px rgb(88, 218,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3512, 59.1196, 99.4107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 218, 250) }
```

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

```
.background{ background-color: rgb(88, 218,  
250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor