

Converting Colors

XYZ(49.5598, 56.6269, 87.1766)

Have a look what the booklet for
XYZ(49.5598, 56.6269, 87.1766)
contains.

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Color

**XYZ(49.4611, 56.5303,
86.9018)**

Conversions

Conversions Part 1

Format	Color
Hex	95CEEB
RGB	149, 206, 235
RGB Percent	58%, 81%, 92%
CMY	0.4157, 0.1921, 0.0784
CMYK	0.37, 0.12, 0.00, 0.08
HSL	200°, 68%, 75%
HSV	200°, 37%, 92%
XYZ	49.4611, 56.5303, 86.9018
YIQ	192.2630, -43.2810, -3.0650

Conversions

Conversions Part 2

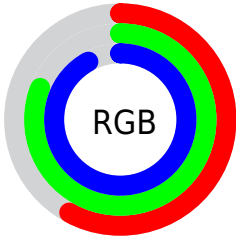
Format	Color
RYB	149, 183, 235
Decimal	9817835
CIELab	79.91, -11.25, -20.15
CIElCh	80, 23.078, 240.815
Yxy	56.5303, 0.2564, 0.2931
Android (android.graphics.Color)	4288007915 (0xFF95CEEB)
YUV	192.2630, 21.0693, -37.9417
Hunter-Lab	75.1866, -14.1514, -15.8976

Details

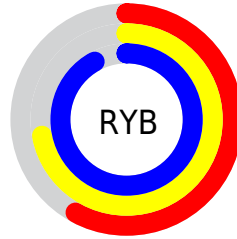
The XYZ color **49.4611, 56.5303, 86.9018** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.6071, 51.6738, 35.4785**, and the grayscale version is **50.1568, 52.7689, 57.4653**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **23.9810, 28.0908, 46.8060** is the 20% darker color. If you saturate the color by 10%, you get **43.7390, 50.8208, 86.1023**, and if you desaturate by 10%, it is **56.1479, 62.8825, 87.7765**.

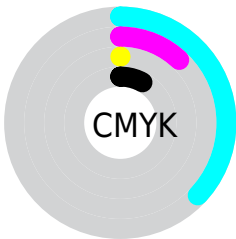
Distribution



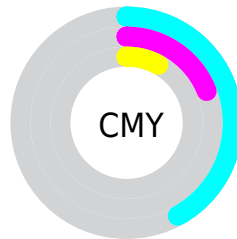
- Red (58%)
- Green (81%)
- Blue (92%)



- Red (58%)
- Yellow (72%)
- Blue (92%)



- Cyan (37%)
- Magenta (12%)
- Yellow (0%)
- Black (8%)



- Cyan (42%)
- Magenta (19%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4611, 56.5303, 86.9018 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 49.4611, 56.5303, 86.9018 by changing the saturation by 10% instead.

■ 49.4611, 56.5303,
86.9018

■ 49.4611, 56.5303,
86.9018

375.0417,
411.6869, 538.2080

■ 35.2014, 40.6283,
64.8548

■ 88.5725, 99.7795,
144.9249

■ 23.9853, 28.0287,
46.8927

■ 114.1550,
127.8955, 181.7381

■ 15.4474, 18.3473,
32.5971

144.2424,
160.8515, 224.3104

■ 9.2223, 11.1996,
21.5494

179.2002,
199.0320, 273.0604

■ 4.9448, 6.2013,
13.3311

219.3936,
242.8215, 328.4066

■ 2.2493, 2.9679,
7.5235

265.1881,

■ 0.7685, 1.1150,

292.6041, 390.7676

3.7082

316.9490,
348.7645, 460.5619

■ 0.0000, 0.0000,
1.4667

■ 0.0000, 0.0000,
0.1929

■ 49.4611, 56.5303,
86.9018

■ 49.4611, 56.5303,
86.9018

■ 43.7390, 50.8208,
86.1023

■ 56.1479, 62.8825,
87.7765

■ 38.9226, 45.7175,
85.3712

■ 63.8435, 69.8983,
88.7250

■ 34.9543, 41.1901,
84.7064

■ 72.5953, 77.6055,
89.7514

■ 31.7668, 37.2016,
84.1046

■ 82.4464, 86.0281,
90.8579

■ 29.2820, 33.7095,
83.5615

■ 89.0770, 92.9412,
91.8428

■ 27.4011, 30.6606,
83.0721

■ 91.5341, 97.8552,
92.6618

■ 26.8440, 29.6950,
82.9151

■ 91.9956, 98.7782,
92.8156

Harmonies

Analogous

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



46.3674, 56.5303, 75.7187



49.4611, 56.5303, 86.9018



53.8584, 56.5303, 91.0809

Triad

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



49.4611, 56.5303, 86.9018



63.2387, 56.5303, 61.1861



49.2516, 56.5303, 41.9673

Complementary

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



49.4611, 56.5303, 86.9018



55.6071, 51.6738, 35.4785

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.



53.6025, 56.5303, 39.2137



49.4611, 56.5303, 86.9018



61.8343, 56.5303, 49.2725

Square

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



49.4611, 56.5303, 86.9018



61.9749, 56.5303, 74.9921



58.2385, 56.5303, 41.6840



46.2515, 56.5303, 49.8218

Rectangle

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



49.4611, 56.5303, 86.9018



56.9916, 56.5303, 88.9176



58.2385, 56.5303, 41.6840



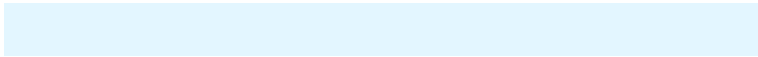
50.5960, 56.5303, 40.4702

Sweetspot

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



49.4629, 56.5325, 86.9031



82.5293, 89.1759, 107.4706



50.1065, 69.0084, 52.6248



17.3582, 18.8173, 22.9672



0.0000, 0.0000, 0.0000



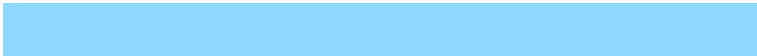
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.4629, 56.5325, 86.9031



54.1991, 62.7537, 103.8638



40.5477, 38.7022, 83.9314



15.0651, 16.2166, 19.2584



15.0623, 16.7715, 46.1863



1.2710, 1.4934, 3.6561

Inverse Universe

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



56.1504, 43.6149, 63.8539



63.5786, 45.8634, 71.2612



65.4555, 71.3704, 38.7613



15.4864, 15.2224, 17.8467



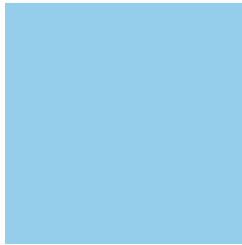
22.4580, 11.1859, 18.7452



1.8080, 0.8962, 1.7065

Previews

White Background



This preview shows how the XYZ color 49.4611, 56.5303, 86.9018 looks on a white background.

Color Contrast Check

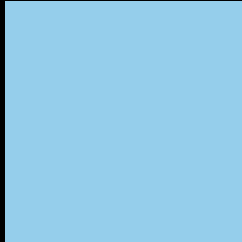
Large Text (above 18pt) WCAG AA × Fail

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 49.4611, 56.5303, 86.9018 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 49.4611, 56.5303, 86.9018

Background



This preview shows how black text looks on a background with the XYZ color 49.4611, 56.5303, 86.9018.



This preview shows how white text looks on a background with the XYZ color 49.4611, 56.5303,

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

49.4611, 56.5303, 86.9018

Protanopia

55.4817, 56.2878, 81.3392

Deuteranopia

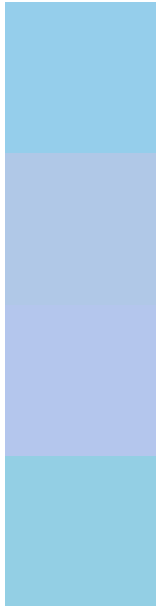
57.5285, 56.1833, 88.7013



Tritanopia

47.8645, 56.6046, 78.9241

Trichromacy



Original Color

49.4611, 56.5303, 86.9018

Protanomaly

52.9826, 56.3082, 83.6774

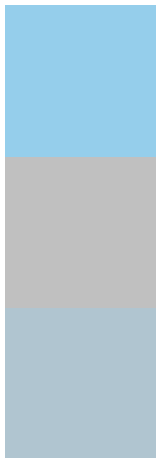
Deuteranomaly

54.3025, 56.2059, 88.1075

Tritanomaly

48.3490, 56.4301, 81.7426

Monochromacy



Original Color

49.4611, 56.5303, 86.9018

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.2559, 53.7167, 67.4468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4611, 56.5303, 86.9018 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(149, 206, 235)` looks like.

```
.text, #text, p{  
    color:rgb(149, 206, 235)  
}
```

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(149, 206, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 206, 235) }
```

Border

The CSS property to change the border of an element to XYZ 49.4611, 56.5303, 86.9018 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(149, 206, 235) }
```


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

```
.border{ border-color:rgb(149, 206, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 206, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 206, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 206, 235); box-shadow:4px 4px 4px 4px rgb(149, 206, 235) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4611, 56.5303, 86.9018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 206, 235) }
```

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

```
.background{ background-color: rgb(149,  
206, 235) }
```

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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