

Converting Colors

XYZ(50.0504, 56.2401, 86.8891)

Have a look what the booklet for
XYZ(50.0504, 56.2401, 86.8891)
contains.

XYZ(49.9147, 56.0539, 86.7860)	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(49.9147, 56.0539,
86.7860)**

Conversions

Conversions Part 1

Format	Color
Hex	9ACCEB
RGB	154, 204, 235
RGB Percent	60%, 80%, 92%
CMY	0.3961, 0.2000, 0.0784
CMYK	0.34, 0.13, 0.00, 0.08
HSL	203°, 67%, 76%
HSV	203°, 34%, 92%
XYZ	49.9147, 56.0539, 86.7860
YIQ	192.5840, -39.7510, -0.9590

Conversions

Conversions Part 2

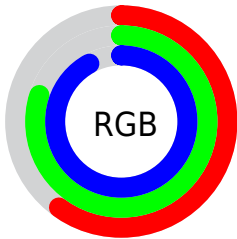
Format	Color
RYB	154, 185, 235
Decimal	10145003
CIELab	79.64, -8.86, -20.53
CIELCh	80, 22.363, 246.651
Yxy	56.0539, 0.2590, 0.2908
Android (android.graphics.Color)	4288335083 (0xFF9ACCEB)
YUV	192.5840, 20.9111, -33.8382
Hunter-Lab	74.8692, -12.0164, -16.3187

Details

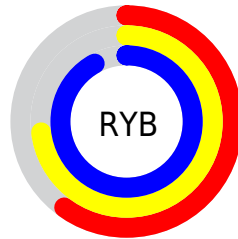
The XYZ color **49.9147, 56.0539, 86.7860** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.4437, 54.6941, 38.1029**, and the grayscale version is **50.3439, 52.9657, 57.6797**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **24.2986, 27.7767, 46.7286** is the 20% darker color. If you saturate the color by 10%, you get **43.7963, 49.8188, 85.9059**, and if you desaturate by 10%, it is **57.0356, 62.9917, 87.7508**.

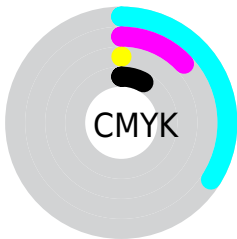
Distribution



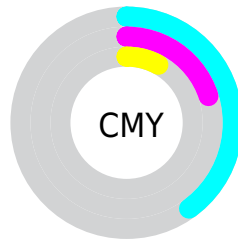
- Red (60%)
- Green (80%)
- Blue (92%)



- Red (60%)
- Yellow (73%)
- Blue (92%)



- Cyan (34%)
- Magenta (13%)
- Yellow (0%)
- Black (8%)



- Cyan (40%)
- Magenta (20%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9147, 56.0539, 86.7860 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 49.9147, 56.0539, 86.7860 by changing the saturation by 10% instead.

■ 49.9147, 56.0539,
86.7860

■ 49.9147, 56.0539,
86.7860

376.7898,
409.8946, 537.8173

■ 35.5631, 40.2461,
64.7595

■ 89.2411, 99.0834,
144.7621

■ 24.2655, 27.7305,
46.8160

■ 114.9466,
127.0739, 181.5487

■ 15.6565, 18.1226,
32.5369

145.1675,
159.8941, 224.0925

■ 9.3707, 11.0381,
21.5037

180.2691,
197.9284, 272.8120

■ 5.0428, 6.0924,
13.2979

220.6167,
241.5612, 328.1256

■ 2.3074, 2.9014,
7.5009

266.5758,

■ 0.7985, 1.0805,

291.1769, 390.4521

3.6941

318.5117,
347.1599, 460.2098

■ 0.0000, 0.0000,
1.4591

■ 0.0000, 0.0000,
0.1872

■ 49.9147, 56.0539,
86.7860

■ 49.9147, 56.0539,
86.7860

■ 43.7963, 49.8188,
85.9059

■ 57.0356, 62.9917,
87.7508

■ 38.6218, 44.2491,
85.1036

■ 65.2028, 70.6538,
88.7993

■ 34.3342, 39.3137,
84.3770

■ 74.4640, 79.0691,
89.9355

■ 30.8674, 34.9753,
83.7223

■ 84.8620, 88.2624,
91.1619

■ 28.1452, 31.1912,
83.1354

■ 90.1023, 94.9917,
92.1846

■ 26.0748, 27.9102,
82.6112

■ 91.9956, 98.7782,
92.8157

■ 25.1312, 26.2694,
82.3442

Harmonies

Analogous

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



46.6201, 56.0539, 77.0875



49.9147, 56.0539, 86.7860



54.2880, 56.0539, 89.1674

Triad

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



49.9147, 56.0539, 86.7860



62.3615, 56.0539, 58.2023



48.2679, 56.0539, 43.2010

Complementary

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



49.9147, 56.0539, 86.7860



57.4437, 54.6941, 38.1029

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.



52.2797, 56.0539, 39.5430



49.9147, 56.0539, 86.7860



60.5405, 56.0539, 47.3786

Square

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



49.9147, 56.0539, 86.7860



61.6405, 56.0539, 71.4126



56.7881, 56.0539, 40.9569



45.7074, 56.0539, 51.7116

Rectangle

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



49.9147, 56.0539, 86.7860



57.2619, 56.0539, 86.0237



56.7881, 56.0539, 40.9569



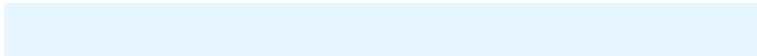
49.4825, 56.0539, 41.4221

Sweetspot

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



49.9165, 56.0561, 86.7873



83.2483, 89.4112, 107.4782



51.6564, 69.7361, 55.9221



17.4870, 18.8352, 22.9638



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.



49.9165, 56.0561, 86.7873



55.0083, 62.3420, 103.7417



41.7424, 39.7080, 84.0626



15.0055, 16.0974, 19.2385



14.1136, 14.8742, 45.8701



1.2008, 1.3530, 3.6327

Inverse Universe

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



56.7171, 45.1346, 62.8516



64.4826, 48.1223, 70.1724



66.8043, 73.4154, 41.2231



15.4563, 15.2104, 17.6883



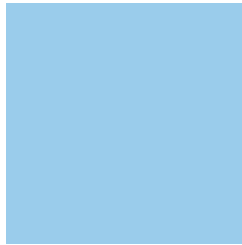
21.9792, 10.9944, 16.2237



1.7726, 0.8820, 1.5198

Previews

White Background



This preview shows how the XYZ color 49.9147, 56.0539, 86.7860 looks on a white background.

Color Contrast Check

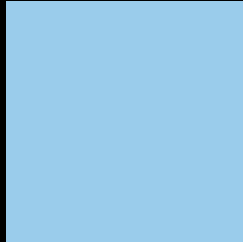
Large Text (above 18pt) WCAG AA × Fail

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 49.9147, 56.0539, 86.7860 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 49.9147, 56.0539, 86.7860

Background



This preview shows how black text looks on a background with the XYZ color 49.9147, 56.0539, 86.7860.



This preview shows how white text looks on a background with the XYZ color 49.9147, 56.0539,

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

49.9147, 56.0539, 86.7860

Protanopia

54.8932, 55.6345, 81.9741

Deuteranopia

56.9006, 55.5495, 87.8439



Tritanopia

48.1531, 56.0496, 78.0928

Trichromacy



Original Color

49.9147, 56.0539, 86.7860

Protanomaly

52.7493, 55.5048, 83.5346

Deuteranomaly

53.9363, 55.3597, 87.1996

Tritanomaly

48.6453, 55.8841, 80.8959

Monochromacy



Original Color

49.9147, 56.0539, 86.7860

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.9418, 54.0703, 67.4789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9147, 56.0539, 86.7860 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(154, 204, 235)` looks like.

```
.text, #text, p{  
    color:rgb(154, 204, 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(154, 204, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 204, 235) }
```

Border

The CSS property to change the border of an element to XYZ 49.9147, 56.0539, 86.7860 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(154, 204, 235) }
```


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

```
.border{ border-color:rgb(154, 204, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 204, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 204, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 204, 235);  
box-shadow:4px 4px 4px 4px rgb(154, 204,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9147, 56.0539, 86.7860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 204, 235) }
```

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

```
.background{ background-color: rgb(154,  
204, 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](#).

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