

Converting Colors

XYZ(49.1600, 68.1239, 89.9065)

Have a look what the booklet for
XYZ(49.1600, 68.1239, 89.9065)
contains.

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Color

**XYZ(49.1603, 68.1217,
89.9147)**

Conversions

Conversions Part 1

Format	Color
Hex	58ECEC
RGB	88, 236, 236
RGB Percent	35%, 93%, 93%
CMY	0.6549, 0.0745, 0.0745
CMYK	0.63, 0.00, 0.00, 0.07
HSL	180°, 80%, 64%
HSV	180°, 63%, 93%
XYZ	49.1603, 68.1217, 89.9147
YIQ	191.7480, -88.2080, -31.3760

Conversions

Conversions Part 2

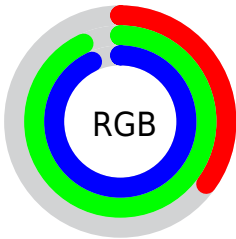
Format	Color
R _Y B	88, 162, 236
Decimal	5827820
CIE Lab	86.07, -38.59, -11.66
CIE LCh	86, 40.313, 196.812
Yxy	68.1217, 0.2373, 0.3288
Android (android.graphics.Color)	4284017900 (0xFF58ECEC)
YUV	191.7480, 21.8162, -90.9870
Hunter-Lab	82.5359, -38.1190, -6.8155

Details

The XYZ color **49.1603, 68.1217, 89.9147** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **39.8456, 25.5191, 12.0604**, and the grayscale version is **49.8720, 52.4692, 57.1390**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **24.5595, 35.9378, 48.8223** is the 20% darker color. If you saturate the color by 10%, you get **47.2780, 67.1529, 89.8279**, and if you desaturate by 10%, it is **51.7695, 69.4683, 90.0386**.

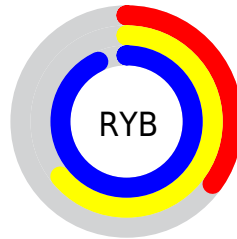
Distribution



Red (35%)

Green (93%)

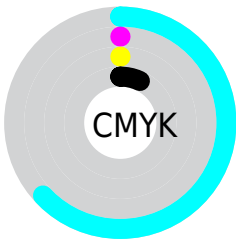
Blue (93%)



Red (35%)

Yellow (64%)

Blue (93%)

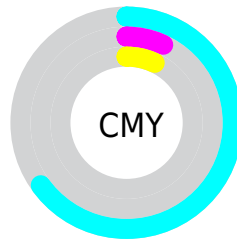


Cyan (63%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (65%)


Magenta (7%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1603, 68.1217, 89.9147 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 49.1603, 68.1217, 89.9147 by changing the saturation by 10% instead.


 49.1603, 68.1217,
89.9147

 49.1603, 68.1217,
89.9147


373.8795,
453.9271, 548.3163

 34.9617, 49.9967,
67.3366


 88.1288, 116.5262,
149.1544

 23.7998, 35.4108,
48.8949


 113.6294,
147.5746, 186.6530

 15.3091, 23.9795,
34.1711


 143.6280,
183.6996, 229.9623

 9.1243, 15.3184,
22.7466

 178.4901,
225.2855, 279.5007

 4.8801, 9.0432,
14.2030

218.5809,
272.7168, 335.6867

 2.2111, 4.7693,
8.1216

264.2659,

 0.7486, 2.1126,

326.3779, 398.9390

4.0840

315.9103,
386.6532, 469.6760

■ 0.0000, 0.6717,
1.6715

■ 0.0000, 0.0000,
0.3411

■ 49.1603, 68.1217,
89.9147

■ 49.1603, 68.1217,
89.9147

■ 47.2780, 67.1529,
89.8279

■ 51.7695, 69.4683,
90.0386

■ 46.0438, 66.5166,
89.7699


■ 55.1625, 71.2175,
90.1976


■ 45.3718, 66.1702,
89.7383


■ 59.3975, 73.4007,
90.3960

■ 45.1369, 66.0491,
89.7271


■ 64.5256, 76.0443,
90.6362

 70.5937, 79.1725,
90.9204

 77.6456, 82.8079,
91.2507

 85.7222, 86.9716,
91.6289

 86.3774, 87.3093,
91.6597

 86.3774, 87.3093,
91.6600

Harmonies

Analogous

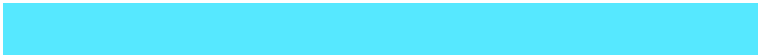
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.9183, 68.1217, 63.1403



49.1603, 68.1217, 89.9147



53.3141, 68.1217, 117.8923

Triad

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



49.1603, 68.1217, 89.9147



78.6113, 68.1217, 114.8153



68.8939, 68.1217, 34.7892

Complementary

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



49.1603, 68.1217, 89.9147



39.8456, 25.5191, 12.0604

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.



77.7090, 68.1217, 42.8689



49.1603, 68.1217, 89.9147



83.6691, 68.1217, 86.4213

Square

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



49.1603, 68.1217, 89.9147



70.0332, 68.1217, 134.4515



83.3240, 68.1217, 60.3849



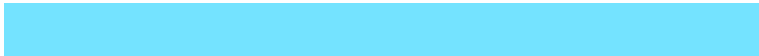
59.7349, 68.1217, 35.2952

Rectangle

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



49.1603, 68.1217, 89.9147



57.9891, 68.1217, 131.5891



83.3240, 68.1217, 60.3849



72.0119, 68.1217, 36.4905

Sweetspot

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



49.1623, 68.1243, 89.9163



79.4165, 91.9406, 108.1679



36.0211, 62.8952, 19.4759



16.5734, 19.4600, 23.1325



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.



49.1623, 68.1243, 89.9163



55.9077, 79.8215, 107.0662



32.5264, 34.8519, 84.3723



15.5177, 17.1219, 19.4092



24.8794, 36.4062, 49.4576



1.9536, 2.8588, 3.8836

Inverse Universe

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



39.8456, 25.5191, 12.0604



43.9777, 25.2660, 7.3726



48.8462, 43.5204, 15.0602



15.0655, 15.0541, 15.6304



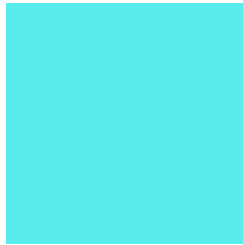
19.0678, 9.8298, 0.8924



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 49.1603, 68.1217, 89.9147 looks on a white background.

Color Contrast Check

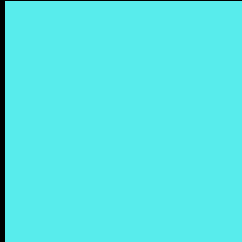
Large Text (above 18pt) WCAG AA × Fail

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 49.1603, 68.1217, 89.9147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

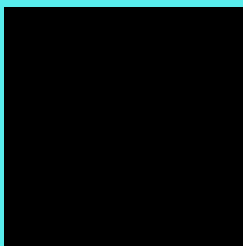
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

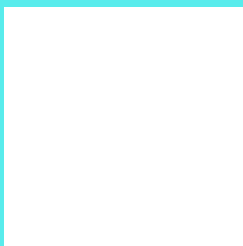
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1603, 68.1217, 89.9147

Background



This preview shows how black text looks on a background with the XYZ color 49.1603, 68.1217, 89.9147.



This preview shows how white text looks on a background with the XYZ color 49.1603, 68.1217,

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

49.1603, 68.1217, 89.9147

Protanopia

64.7526, 66.8080, 78.5896

Deuteranopia

68.4017, 66.8947, 93.3112



Tritanopia

51.5335, 67.7929, 102.4647

Trichromacy



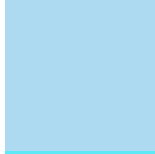
Original Color

49.1603, 68.1217, 89.9147



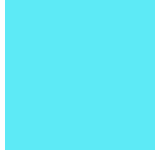
Protanomaly

56.0838, 65.6940, 82.3973



Deuteranomaly

58.0332, 65.3183, 91.9871



Tritanomaly

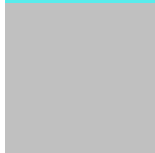
50.5716, 67.8266, 97.6152

Monochromacy



Original Color

49.1603, 68.1217, 89.9147



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

47.2675, 56.5358, 68.0958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1603, 68.1217, 89.9147 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, 236, 236)` looks like.

```
.text, #text, p{  
    color:rgb(88, 236, 236)  
}
```

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, 236, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 236, 236) }
```

Border

The CSS property to change the border of an element to XYZ 49.1603, 68.1217, 89.9147 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, 236, 236) }
```


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

```
.border{ border-color:rgb(88, 236, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 236, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 236, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 236, 236);  
box-shadow:4px 4px 4px 4px rgb(88, 236,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1603, 68.1217, 89.9147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 236, 236) }
```

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

```
.background{ background-color: rgb(88, 236,  
236) }
```

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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