

Converting Colors

XYZ(49.7365, 61.2313, 83.6936)

Have a look what the booklet for
XYZ(49.7365, 61.2313, 83.6936)
contains.

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Color

**XYZ(49.8356, 61.2593,
84.0605)**

Conversions

Conversions Part 1

Format	Color
Hex	8ADA E6
RGB	138, 218, 230
RGB Percent	54%, 85%, 90%
CMY	0.4588, 0.1451, 0.0980
CMYK	0.40, 0.05, 0.00, 0.10
HSL	188°, 65%, 72%
HSV	188°, 40%, 90%
XYZ	49.8356, 61.2593, 84.0605
YIQ	195.4480, -51.5320, -13.2280

Conversions

Conversions Part 2

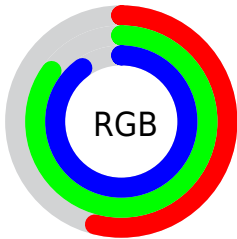
Format	Color
RYB	138, 181, 230
Decimal	9100006
CIELab	82.52, -21.46, -13.62
CIELCh	83, 25.416, 212.391
Yxy	61.2593, 0.2554, 0.3139
Android (android.graphics.Color)	4287290086 (0xFF8ADAE6)
YUV	195.4480, 17.0341, -50.3819
Hunter-Lab	78.2683, -23.3137, -8.8899

Details

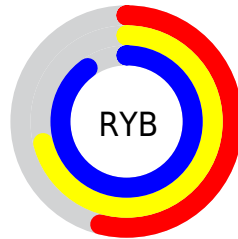
The XYZ color **49.8356, 61.2593, 84.0605** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.1279, 40.4716, 29.3215**, and the grayscale version is **52.0641, 54.7755, 59.6505**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **24.3147, 31.0834, 45.2756** is the 20% darker color. If you saturate the color by 10%, you get **45.6554, 57.9615, 83.6453**, and if you desaturate by 10%, it is **54.8393, 65.0054, 84.5209**.

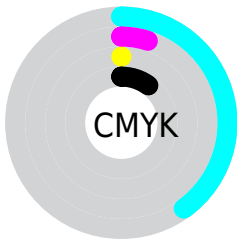
Distribution



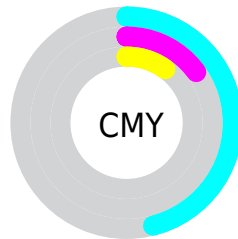
- Red (54%)
- Green (85%)
- Blue (90%)



- Red (54%)
- Yellow (71%)
- Blue (90%)



- Cyan (40%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)



- Cyan (46%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8356, 61.2593, 84.0605 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 49.8356, 61.2593, 84.0605 by changing the saturation by 10% instead.

■ 49.8356, 61.2593,
84.0605

■ 49.8356, 61.2593,
84.0605

376.4853,
429.2241, 528.5774

■ 35.5001, 44.4345,
62.5197

■ 89.1245, 106.6543,
140.9223

■ 24.2166, 31.0122,
45.0143

■ 114.8086,
135.9932, 177.0804

■ 15.6200, 20.6081,
31.1256

145.0063,
170.2723, 218.9479

■ 9.3448, 12.8379,
20.4353

180.0828,
209.8760, 266.9436

■ 5.0257, 7.3170,
12.5246

220.4037,
255.1886, 321.4858

■ 2.2972, 3.6611,
6.9752

266.3341,

■ 0.7933, 1.4859,

306.5946, 382.9932

3.3684

318.2395,
364.4783, 451.8842

■ 0.0000, 0.2788,
1.2857

■ 0.0000, 0.0000,
0.0500

■ 49.8356, 61.2593,
84.0605

■ 49.8356, 61.2593,
84.0605

■ 45.6554, 57.9615,
83.6453

■ 54.8393, 65.0054,
84.5209

■ 42.2419, 55.0782,
83.2687

■ 60.7078, 69.2170,
85.0245


■ 39.5394, 52.5822,
82.9294


■ 67.4863, 73.9188,
85.5748

■ 37.4827, 50.4396,
82.6242


■ 75.2151, 79.1317,
86.1736


 35.9940, 48.6103,
82.3496


 83.9322, 84.8754,
86.8228


 34.9390, 47.0250,
82.0992

 85.5188, 86.9646,
87.1425

 34.9389, 47.0248,
82.0992

 86.3897, 88.7064,
87.4328

 87.2752, 90.4774,
87.7279

 88.1753, 92.2777,
88.0280

Harmonies

Analogous

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



48.3916, 61.2593, 67.9578



49.8356, 61.2593, 84.0605



53.5131, 61.2593, 96.9067

Triad

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



49.8356, 61.2593, 84.0605



67.9895, 61.2593, 81.5617



57.7901, 61.2593, 41.0348

Complementary

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



49.8356, 61.2593, 84.0605



48.1279, 40.4716, 29.3215

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.



63.2059, 61.2593, 43.5312



49.8356, 61.2593, 84.0605



69.3079, 61.2593, 65.4598

Square

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



49.8356, 61.2593, 84.0605



64.0071, 61.2593, 95.3134



67.5070, 61.2593, 51.9128



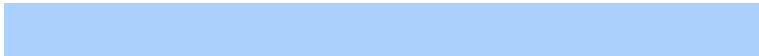
52.8022, 61.2593, 44.4777

Rectangle

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



49.8356, 61.2593, 84.0605



56.8517, 61.2593, 100.9984



67.5070, 61.2593, 51.9128



59.6205, 61.2593, 41.2069

Sweetspot

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



49.8375, 61.2617, 84.0619



83.4147, 92.1315, 107.9945



44.1830, 64.1596, 38.3792



17.6058, 19.5488, 23.0953



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.



49.8375, 61.2617, 84.0619



58.5373, 73.9291, 105.7922



39.7604, 41.1076, 80.7029



14.6387, 15.9988, 18.4609



19.8444, 26.7509, 46.5007



1.5113, 2.0665, 3.4512

Inverse Universe

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



54.3781, 40.0635, 71.1993



65.1584, 44.1599, 86.7800



56.6773, 57.5702, 32.1713



14.9100, 14.5812, 17.7263



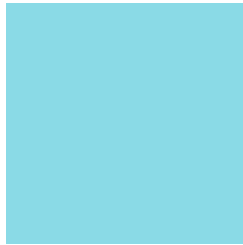
24.4101, 11.8982, 32.1180



1.8265, 0.8883, 2.4926

Previews

White Background



This preview shows how the XYZ color 49.8356, 61.2593, 84.0605 looks on a white background.

Color Contrast Check

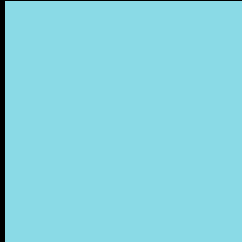
Large Text (above 18pt) WCAG AA × Fail

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 49.8356, 61.2593, 84.0605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

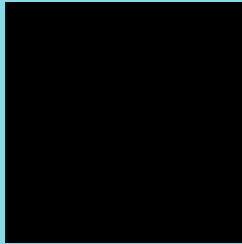
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8356, 61.2593, 84.0605

Background



This preview shows how black text looks on a background with the XYZ color 49.8356, 61.2593, 84.0605.

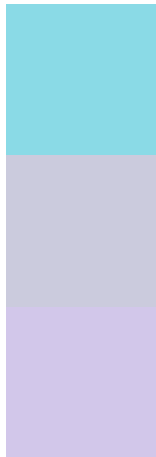


This preview shows how white text looks on a background with the XYZ color 49.8356, 61.2593,

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

49.8356, 61.2593, 84.0605

Protanopia

59.0357, 60.6288, 76.9976

Deuteranopia

61.8530, 60.4890, 86.2574



Tritanopia

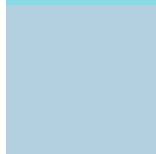
50.4557, 61.1128, 87.7339

Trichromacy



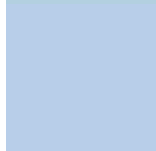
Original Color

49.8356, 61.2593, 84.0605



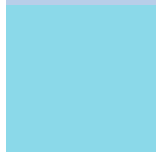
Protanomaly

54.6008, 60.0773, 79.2393



Deuteranomaly

56.5465, 60.2162, 85.7334



Tritanomaly

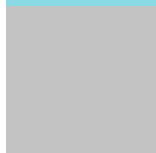
50.1683, 60.9979, 86.2204

Monochromacy



Original Color

49.8356, 61.2593, 84.0605



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

50.1967, 56.2646, 67.8890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8356, 61.2593, 84.0605 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(138, 218, 230)` looks like.

```
.text, #text, p{  
    color:rgb(138, 218, 230)  
}
```

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(138, 218, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 218, 230) }
```

Border

The CSS property to change the border of an element to XYZ 49.8356, 61.2593, 84.0605 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(138, 218, 230) }
```


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

```
.border{ border-color:rgb(138, 218, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 218, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 218, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 218, 230);  
box-shadow:4px 4px 4px 4px rgb(138, 218,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8356, 61.2593, 84.0605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 218, 230) }
```

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

```
.background{ background-color: rgb(138,  
218, 230) }
```

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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