

Converting Colors

XYZ(49.1969, 58.7282, 87.1566)

Have a look what the booklet for
XYZ(49.1969, 58.7282, 87.1566)
contains.

XYZ(49.1863, 58.5741, 87.3108)	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(49.1863, 58.5741,
87.3108)**

Conversions

Conversions Part 1

Format	Color
Hex	8BD4EB
RGB	139, 212, 235
RGB Percent	55%, 83%, 92%
CMY	0.4549, 0.1686, 0.0784
CMYK	0.41, 0.10, 0.00, 0.08
HSL	194°, 71%, 73%
HSV	194°, 41%, 92%
XYZ	49.1863, 58.5741, 87.3108
YIQ	192.7950, -50.8910, -8.3230

Conversions

Conversions Part 2

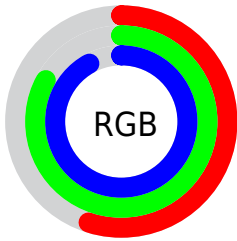
Format	Color
RYB	139, 180, 235
Decimal	9164011
CIELab	81.06, -16.92, -18.47
CIElCh	81, 25.050, 227.501
Yxy	58.5741, 0.2521, 0.3003
Android (android.graphics.Color)	4287354091 (0xFF8BD4EB)
YUV	192.7950, 20.8071, -47.1782
Hunter-Lab	76.5337, -19.2165, -14.0653

Details

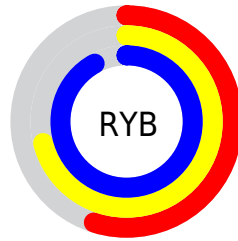
The XYZ color **49.1863, 58.5741, 87.3108** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.8425, 45.3678, 30.4520**, and the grayscale version is **50.4728, 53.1014, 57.8274**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **23.7609, 29.2076, 47.0331** is the 20% darker color. If you saturate the color by 10%, you get **44.2937, 54.0002, 86.6868**, and if you desaturate by 10%, it is **54.9750, 63.6855, 87.9933**.

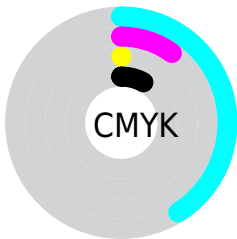
Distribution



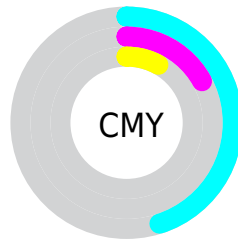
- Red (55%)
- Green (83%)
- Blue (92%)



- Red (55%)
- Yellow (71%)
- Blue (92%)



- Cyan (41%)
- Magenta (10%)
- Yellow (0%)
- Black (8%)



- Cyan (45%)
- Magenta (17%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1863, 58.5741, 87.3108 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 49.1863, 58.5741, 87.3108 by changing the saturation by 10% instead.

■ 49.1863, 58.5741,
87.3108

■ 49.1863, 58.5741,
87.3108

373.9801,
419.3218, 539.5863

■ 34.9824, 42.2704,
65.1913

■ 88.1671, 102.7584,
145.5000

■ 23.8158, 29.3131,
47.1639

■ 113.6748,
131.4078, 182.4067

■ 15.3210, 19.3178,
32.8100

143.6812,
164.9411, 225.0797

■ 9.1328, 11.9001,
21.7110

178.5515,
203.7429, 273.9374

■ 4.8857, 6.6757,
13.4484

218.6512,
248.1974, 329.3984

■ 2.2144, 3.2601,
7.6037

264.3457,

■ 0.7503, 1.2690,

298.6892, 391.8812

3.7583

316.0002,
355.6025, 461.8043

■ 0.0000, 0.1170,
1.4937

■ 0.0000, 0.0000,
0.2132

■ 49.1863, 58.5741,
87.3108

■ 49.1863, 58.5741,
87.3108

■ 44.2937, 54.0002,
86.6868

■ 54.9750, 63.6855,
87.9933

■ 40.2366, 49.9278,
86.1146

■ 61.7044, 69.3540,
88.7328

■ 36.9555, 46.3268,
85.5925

■ 69.4228, 75.6067,
89.5329

■ 34.3799, 43.1602,
85.1170

■ 78.1732, 82.4665,
90.3957

■ 32.4259, 40.3839,
84.6841

■ 87.4407, 89.6684,
91.2974

■ 31.0563, 38.1196,
84.3193

■ 89.1253, 93.0376,
91.8589

■ 90.8617, 96.5105,
92.4378

■ 91.9956, 98.7782,
92.8157

Harmonies

Analogous

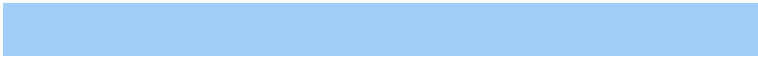
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.6694, 58.5741, 72.7841



49.1863, 58.5741, 87.3108



53.5365, 58.5741, 96.0257

Triad

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



49.1863, 58.5741, 87.3108



66.0186, 58.5741, 70.1787



52.7192, 58.5741, 40.1758

Complementary

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



49.1863, 58.5741, 87.3108



51.8425, 45.3678, 30.4520

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.



57.8654, 58.5741, 39.7022



49.1863, 58.5741, 87.3108



65.7658, 58.5741, 55.5459

Square

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



49.1863, 58.5741, 87.3108



63.3767, 58.5741, 85.1494



62.7062, 58.5741, 44.9050



48.6202, 58.5741, 46.3187

Rectangle

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



49.1863, 58.5741, 87.3108



56.9888, 58.5741, 96.5965



62.7062, 58.5741, 44.9050



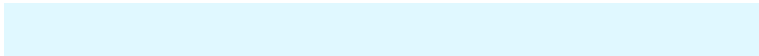
54.3775, 58.5741, 39.3868

Sweetspot

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



49.1881, 58.5764, 87.3122



82.3804, 90.0629, 107.6497



46.8255, 67.4942, 44.4647



17.3611, 19.0595, 23.0138



0.0000, 0.0000, 0.0000



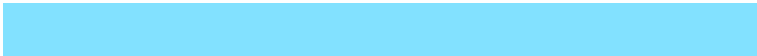
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1881, 58.5764, 87.3122



54.2068, 65.8561, 104.4622



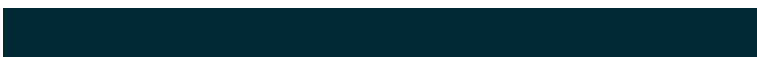
39.0274, 38.2549, 83.9253



15.1942, 16.4748, 19.3014



17.3878, 21.4226, 46.9615



1.4387, 1.8288, 3.7120

Inverse Universe

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



55.3787, 40.8824, 67.2621



62.8289, 42.6784, 76.2080



61.8211, 65.3251, 33.7783



15.5516, 15.2485, 18.1898



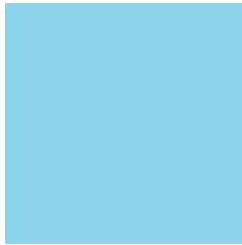
23.6319, 11.6554, 24.9264



1.8927, 0.9300, 2.1522

Previews

White Background



This preview shows how the XYZ color 49.1863, 58.5741, 87.3108 looks on a white background.

Color Contrast Check

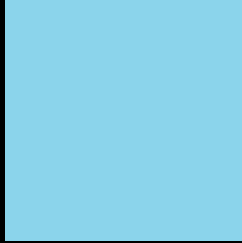
Large Text (above 18pt) WCAG AA × Fail

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 49.1863, 58.5741, 87.3108 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 49.1863, 58.5741, 87.3108

Background



This preview shows how black text looks on a background with the XYZ color 49.1863, 58.5741, 87.3108.



This preview shows how white text looks on a background with the XYZ color 49.1863, 58.5741,

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

49.1863, 58.5741, 87.3108

Protanopia

56.9158, 58.0736, 80.1610

Deuteranopia

59.2599, 58.0704, 88.9743



Tritanopia

48.5584, 58.7049, 83.6348

Trichromacy



Original Color

49.1863, 58.5741, 87.3108

Protanomaly

53.4149, 57.9568, 82.5003

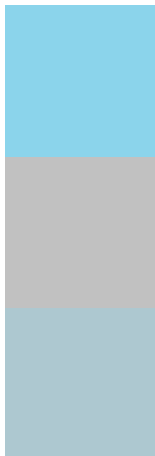
Deuteranomaly

54.7667, 57.8205, 88.3947

Tritanomaly

48.8410, 58.8180, 85.1227

Monochromacy



Original Color

49.1863, 58.5741, 87.3108

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.2730, 54.7469, 67.6447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1863, 58.5741, 87.3108 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(139, 212, 235)` looks like.

```
.text, #text, p{  
    color:rgb(139, 212, 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(139, 212, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 212, 235) }
```

Border

The CSS property to change the border of an element to XYZ 49.1863, 58.5741, 87.3108 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(139, 212, 235) }
```


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

```
.border{ border-color:rgb(139, 212, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 212, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 212, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 212, 235);  
box-shadow:4px 4px 4px 4px rgb(139, 212,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1863, 58.5741, 87.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 212, 235) }
```

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

```
.background{ background-color: rgb(139,  
212, 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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