

Converting Colors

XYZ(49.8391, 58.8939, 88.0977)

Have a look what the booklet for
XYZ(49.8391, 58.8939, 88.0977)
contains.

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Color

**XYZ(49.8391, 58.8939,
88.0977)**

Conversions

Conversions Part 1

Format	Color
Hex	8ED4EC
RGB	142, 212, 236
RGB Percent	56%, 83%, 93%
CMY	0.4431, 0.1686, 0.0745
CMYK	0.40, 0.10, 0.00, 0.07
HSL	195°, 71%, 74%
HSV	195°, 40%, 93%
XYZ	49.8391, 58.8939, 88.0977
YIQ	193.8060, -49.4240, -7.3760

Conversions

Conversions Part 2

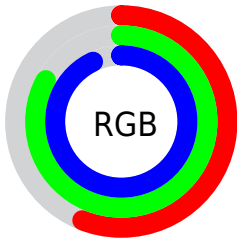
Format	Color
RYB	142, 182, 236
Decimal	9360620
CIELab	81.23, -15.91, -18.72
CIELCh	81, 24.572, 229.633
Yxy	58.8939, 0.2532, 0.2992
Android (android.graphics.Color)	4287550700 (0xFF8ED4EC)
YUV	193.8060, 20.8016, -45.4339
Hunter-Lab	76.7424, -18.3752, -14.3433

Details

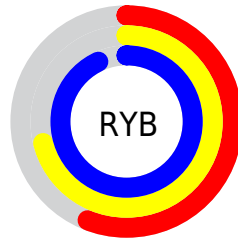
The XYZ color **49.8391, 58.8939, 88.0977** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.1117, 47.0591, 31.8767**, and the grayscale version is **51.0669, 53.7263, 58.5080**.

A 20% lighter version of the original color is **77.3632, 90.8821, 108.0723**, and **24.1329, 29.3877, 47.5805** is the 20% darker color. If you saturate the color by 10%, you get **44.7328, 54.0684, 87.4365**, and if you desaturate by 10%, it is **55.8624, 64.2783, 88.8206**.

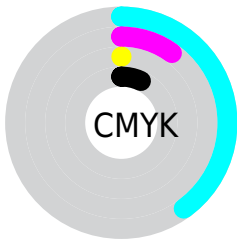
Distribution



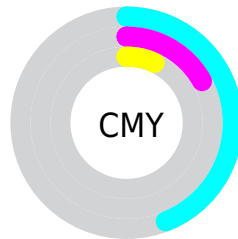
- Red (56%)
- Green (83%)
- Blue (93%)



- Red (56%)
- Yellow (71%)
- Blue (93%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (17%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8391, 58.8939, 88.0977 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 49.8391, 58.8939, 88.0977 by changing the saturation by 10% instead.

■ 49.8391, 58.8939,
88.0977

■ 49.8391, 58.8939,
88.0977

376.4988,
420.5086, 542.2327

■ 35.5028, 42.5277,
65.8392

■ 89.1297, 103.2234,
146.6055

■ 24.2188, 29.5147,
47.6862

■ 114.8147,
131.9556, 183.6919

■ 15.6216, 19.4705,
33.2202

145.0134,
165.5785, 226.5579

■ 9.3459, 12.0108,
22.0227

180.0911,
204.4766, 275.6223

■ 5.0264, 6.7510,
13.6751

220.4131,
249.0343, 331.3034

■ 2.2977, 3.3069,
7.7589

266.3448,

■ 0.7935, 1.2940,

299.6359, 394.0198

3.8555

318.2516,
356.6659, 464.1900

■ 0.0000, 0.1365,
1.5464

■ 0.0000, 0.0000,
0.2521

■ 49.8391, 58.8939,
88.0977

■ 49.8391, 58.8939,
88.0977

■ 44.7328, 54.0684,
87.4365

■ 55.8624, 64.2783,
88.8206

■ 40.4830, 49.7656,
86.8299

■ 62.8476, 70.2415,
89.6034

■ 37.0299, 45.9552,
86.2764

■ 70.8432, 76.8107,
90.4500

■ 34.3034, 42.6001,
85.7725

■ 79.8925, 84.0093,
91.3625

■ 32.2203, 39.6565,
85.3142

■ 88.1711, 90.8975,
92.2557

■ 30.6421, 37.0519,
84.8946

■ 89.9954, 94.5460,
92.8638

■ 30.6169, 37.0090,
84.8876

■ 91.8793, 98.3138,
93.4918

■ 92.1405, 98.8362,
93.5788

Harmonies

Analogous

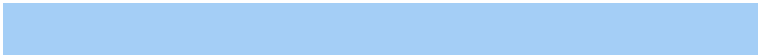
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.2063, 58.8939, 74.0737



49.8391, 58.8939, 88.0977



54.2237, 58.8939, 96.0537

Triad

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



49.8391, 58.8939, 88.0977



66.2311, 58.8939, 69.3347



52.7336, 58.8939, 41.0651

Complementary

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



49.8391, 58.8939, 88.0977



53.1117, 47.0591, 31.8767

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.



57.7674, 58.8939, 40.1955



49.8391, 58.8939, 88.0977



65.7717, 58.8939, 55.1103

Square

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



49.8391, 58.8939, 88.0977



63.8185, 58.8939, 84.1769



62.5990, 58.8939, 44.9516



48.8055, 58.8939, 47.5415

Rectangle

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



49.8391, 58.8939, 88.0977



57.6406, 58.8939, 96.1358



62.5990, 58.8939, 44.9516



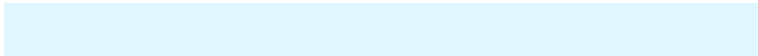
54.3455, 58.8939, 40.1495

Sweetspot

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



49.8409, 58.8962, 88.0991



82.2328, 89.7678, 107.6005



47.9892, 68.4778, 46.5261



17.3263, 18.9897, 23.0021



0.0000, 0.0000, 0.0000



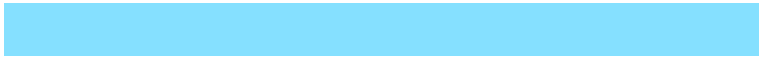
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8409, 58.8962, 88.0991



54.2487, 65.3518, 104.3627



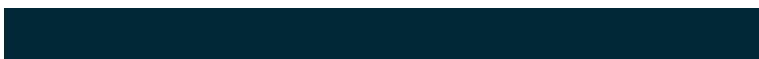
39.8426, 38.8995, 84.7663



15.1733, 16.4329, 19.2944



16.9856, 20.6182, 46.8274



1.4100, 1.7716, 3.7025

Inverse Universe

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



56.1502, 41.9339, 67.4245



62.9937, 43.2941, 75.3808



63.1444, 67.1245, 35.2209



15.5410, 15.2443, 18.1342



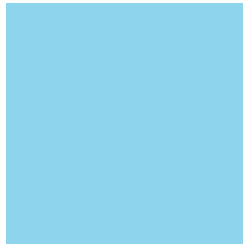
23.4289, 11.5742, 23.8574



1.8782, 0.9243, 2.0761

Previews

White Background



This preview shows how the XYZ color 49.8391, 58.8939, 88.0977 looks on a white background.

Color Contrast Check

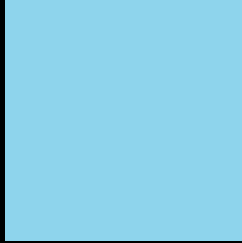
Large Text (above 18pt) WCAG AA × Fail

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 49.8391, 58.8939, 88.0977 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 49.8391, 58.8939, 88.0977

Background



This preview shows how black text looks on a background with the XYZ color 49.8391, 58.8939, 88.0977.



This preview shows how white text looks on a background with the XYZ color 49.8391, 58.8939,

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

49.8391, 58.8939, 88.0977

Protanopia

57.1920, 58.1840, 81.6151

Deuteranopia

59.6770, 58.2684, 89.7630



Tritanopia

48.8924, 58.8771, 83.6504

Trichromacy



Original Color

49.8391, 58.8939, 88.0977

Protanomaly

53.9212, 58.1854, 83.9903

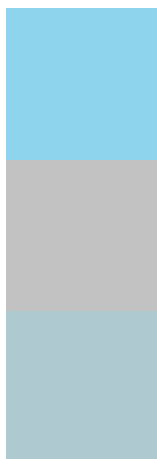
Deuteranomaly

55.3755, 58.1174, 89.1881

Tritanomaly

49.3442, 59.0774, 85.1463

Monochromacy



Original Color

49.8391, 58.8939, 88.0977

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.0745, 55.4907, 68.3932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8391, 58.8939, 88.0977 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(142, 212, 236)` looks like.

```
.text, #text, p{  
    color:rgb(142, 212, 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(142, 212, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 212, 236) }
```

Border

The CSS property to change the border of an element to XYZ 49.8391, 58.8939, 88.0977 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(142, 212, 236) }
```


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

```
.border{ border-color:rgb(142, 212, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 212, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 212, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 212, 236);  
box-shadow:4px 4px 4px 4px rgb(142, 212,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8391, 58.8939, 88.0977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 212, 236) }
```

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

```
.background{ background-color: rgb(142,  
212, 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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