

Converting Colors

XYZ(39.8582, 49.8748, 83.8654)

Have a look what the booklet for
XYZ(39.8582, 49.8748, 83.8654)
contains.

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Color

**XYZ(39.8658, 49.8748,
83.8696)**

Conversions

Conversions Part 1

Format	Color
Hex	5CC9E8
RGB	92, 201, 232
RGB Percent	36%, 79%, 91%
CMY	0.6392, 0.2118, 0.0902
CMYK	0.60, 0.13, 0.00, 0.09
HSL	193°, 75%, 64%
HSV	193°, 60%, 91%
XYZ	39.8658, 49.8748, 83.8696
YIQ	171.9430, -74.9150, -13.4670

Conversions

Conversions Part 2

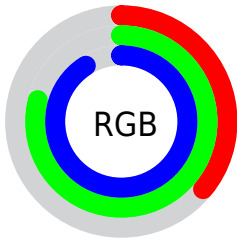
Format	Color
R _Y B	92, 153, 232
Decimal	6081000
CIE Lab	75.99, -22.24, -24.73
CIE LCh	76, 33.260, 228.026
Yxy	49.8748, 0.2296, 0.2873
Android (android.graphics.Color)	4284271080 (0xFF5CC9E8)
YUV	171.9430, 29.6081, -70.1100
Hunter-Lab	70.6221, -22.8264, -20.9763

Details

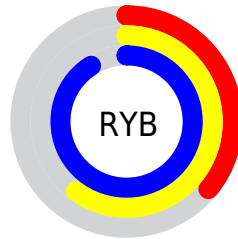
The XYZ color **39.8658, 49.8748, 83.8696** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **42.2949, 32.0963, 14.0930**, and the grayscale version is **39.0677, 41.1023, 44.7604**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **18.2702, 24.0020, 44.7442** is the 20% darker color. If you saturate the color by 10%, you get **36.7160, 46.5038, 83.3859**, and if you desaturate by 10%, it is **43.7683, 53.6953, 84.4023**.

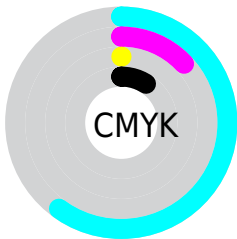
Distribution



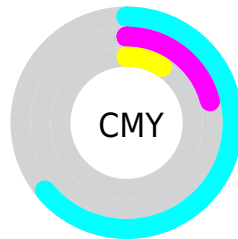
- Red (36%)
- Green (79%)
- Blue (91%)



- Red (36%)
- Yellow (60%)
- Blue (91%)



- Cyan (60%)
- Magenta (13%)
- Yellow (0%)
- Black (9%)



- Cyan (64%)
- Magenta (21%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8658, 49.8748, 83.8696 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 39.8658, 49.8748, 83.8696 by changing the saturation by 10% instead.

■ 39.8658, 49.8748,
83.8696

■ 39.8658, 49.8748,
83.8696

336.7017,
386.1761, 527.9268

■ 27.6177, 35.3139,
62.3630

■ 74.2448, 89.9893,
140.6529

■ 18.1766, 23.9048,
44.8884

■ 97.1063, 116.3118,
176.7666

■ 11.1773, 15.2630,
31.0272

■ 124.2363,
147.3236, 218.5865

■ 6.2544, 9.0042,
20.3609

■ 156.0003,
183.4091, 266.5310

■ 3.0425, 4.7439,
12.4710

192.7634,
224.9527, 321.0188

■ 1.1763, 2.0978,
6.9389

234.8911,

■ 0.0875, 0.6634,

272.3388, 382.4683

3.3460

282.7488,
325.9518, 451.2982

■ 0.0000, 0.0000,
1.2739

■ 0.0000, 0.0000,
0.0403

■ 39.8658, 49.8748,
83.8696

■ 39.8658, 49.8748,
83.8696

■ 36.7160, 46.5038,
83.3859

■ 43.7683, 53.6953,
84.4023

■ 34.2465, 43.5414,
82.9442

■ 48.4777, 57.9908,
84.9832

■ 32.3786, 40.9475,
82.5420

■ 54.0486, 62.7910,
85.6161

■ 31.0144, 38.7237,
82.1847

■ 60.5293, 68.1213,
86.3034

67.9644, 74.0054,
87.0472

76.3956, 80.4651,
87.8497

85.8619, 87.5212,
88.7127

87.5876, 90.6501,
89.2257

89.1390, 93.7529,
89.7429

Harmonies

Analogous

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



36.9419, 49.8748, 65.5781



39.8658, 49.8748, 83.8696



44.9726, 49.8748, 95.0498

Triad

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



39.8658, 49.8748, 83.8696



60.0576, 49.8748, 61.7055



43.8080, 49.8748, 27.8662

Complementary

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



39.8658, 49.8748, 83.8696



42.2949, 32.0963, 14.0930

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.



49.9226, 49.8748, 27.2720



39.8658, 49.8748, 83.8696



59.6767, 49.8748, 44.4043

Square

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



39.8658, 49.8748, 83.8696



56.8376, 49.8748, 80.5073



55.8383, 49.8748, 32.6602



39.0775, 49.8748, 34.5117

Rectangle

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



39.8658, 49.8748, 83.8696



49.0897, 49.8748, 95.6445



55.8383, 49.8748, 32.6602



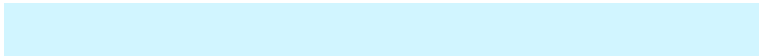
45.7583, 49.8748, 27.0147

Sweetspot

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



39.8674, 49.8766, 83.8708



76.9758, 85.9958, 107.1495



36.8053, 61.4032, 28.4351



15.9309, 17.9685, 22.8786



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.



39.8674, 49.8766, 83.8708



44.8122, 56.8432, 103.2177



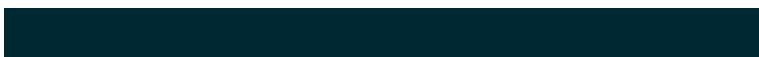
27.1870, 24.5158, 79.6440



14.5225, 15.7665, 18.4221



17.3152, 21.6926, 45.6576



1.3465, 1.7369, 3.3963

Inverse Universe

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



47.6499, 29.0288, 58.3519



55.7006, 30.6903, 66.8383



54.1348, 55.7761, 18.0396



14.8513, 14.5577, 17.4175



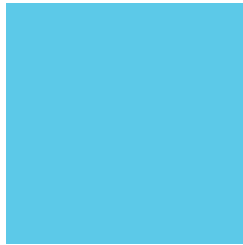
23.1334, 11.3876, 25.3954



1.7433, 0.8550, 2.0546

Previews

White Background



This preview shows how the XYZ color 39.8658, 49.8748, 83.8696 looks on a white background.

Color Contrast Check

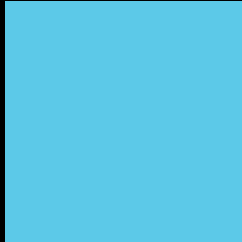
Large Text (above 18pt) WCAG AA × Fail

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 39.8658, 49.8748, 83.8696 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 39.8658, 49.8748, 83.8696

Background



This preview shows how black text looks on a background with the XYZ color 39.8658, 49.8748, 83.8696.

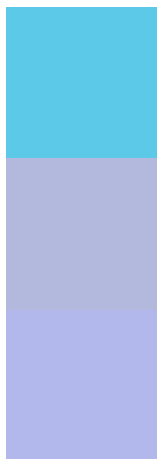


This preview shows how white text looks on a background with the XYZ color 39.8658, 49.8748,

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

39.8658, 49.8748, 83.8696

Protanopia

48.7820, 49.0851, 75.3099

Deuteranopia

50.4339, 49.3881, 86.2316



Tritanopia

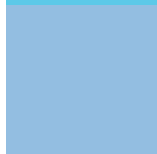
38.1120, 49.8576, 75.3249

Trichromacy



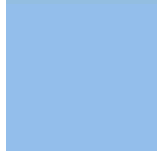
Original Color

39.8658, 49.8748, 83.8696



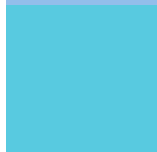
Protanomaly

44.0367, 48.4662, 78.2681



Deuteranomaly

45.4415, 49.0281, 85.6656



Tritanomaly

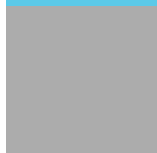
38.5996, 49.6976, 78.0792

Monochromacy



Original Color

39.8658, 49.8748, 83.8696



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.9988, 43.6017, 57.4521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8658, 49.8748, 83.8696 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(92, 201, 232)` looks like.

```
.text, #text, p{  
    color:rgb(92, 201, 232)  
}
```

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(92, 201, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 201, 232) }
```

Border

The CSS property to change the border of an element to XYZ 39.8658, 49.8748, 83.8696 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(92, 201, 232) }
```


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

```
.border{ border-color:rgb(92, 201, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 201, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 201, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 201, 232);  
box-shadow:4px 4px 4px 4px rgb(92, 201,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8658, 49.8748, 83.8696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 201, 232) }
```

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

```
.background{ background-color: rgb(92, 201,  
232) }
```

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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