

Converting Colors

XYZ(39.8519, 50.5643, 84.0034)

Have a look what the booklet for
XYZ(39.8519, 50.5643, 84.0034)
contains.

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Color

**XYZ(39.8519, 50.5643,
84.0034)**

Conversions

Conversions Part 1

Format	Color
Hex	57CBE8
RGB	87, 203, 232
RGB Percent	34%, 80%, 91%
CMY	0.6588, 0.2039, 0.0902
CMYK	0.62, 0.12, 0.00, 0.09
HSL	192°, 76%, 63%
HSV	192°, 62%, 91%
XYZ	39.8519, 50.5643, 84.0034
YIQ	171.6220, -78.4450, -15.5730

Conversions

Conversions Part 2

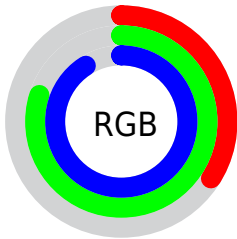
Format	Color
RYB	87, 151, 232
Decimal	5753832
CIELab	76.41, -24.11, -24.10
CIElCh	76, 34.085, 224.989
Yxy	50.5643, 0.2285, 0.2899
Android (android.graphics.Color)	4283943912 (0xFF57CBE8)
YUV	171.6220, 29.7664, -74.2135
Hunter-Lab	71.1086, -24.4020, -20.2656

Details

The XYZ color **39.8519, 50.5643, 84.0034** 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 **41.2458, 30.3365, 12.7001**, and the grayscale version is **38.9064, 40.9326, 44.5756**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **18.5839, 24.6295, 44.8488** is the 20% darker color. If you saturate the color by 10%, you get **36.9447, 47.4641, 83.5592**, and if you desaturate by 10%, it is **43.4909, 54.0925, 84.4936**.

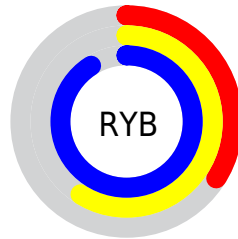
Distribution



Red (34%)

Green (80%)

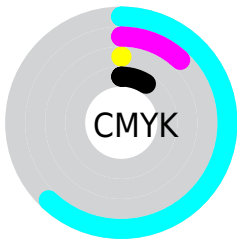
Blue (91%)



Red (34%)

Yellow (59%)

Blue (91%)

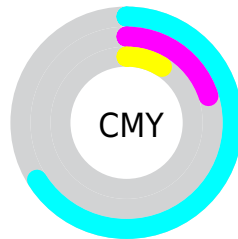


Cyan (62%)

Magenta (12%)

Yellow (0%)

Black (9%)



Cyan (66%)

Magenta (20%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8519, 50.5643, 84.0034 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 39.8519, 50.5643, 84.0034 by changing the saturation by 10% instead.

■ 39.8519, 50.5643,
84.0034

■ 39.8519, 50.5643,
84.0034

336.6441,
388.8686, 528.3829

■ 27.6068, 35.8620,
62.4728

■ 74.2237, 91.0104,
140.8417

■ 18.1684, 24.3276,
44.9766

■ 97.0811, 117.5230,
176.9865

■ 11.1714, 15.5768,
31.0962

■ 124.2067,
148.7411, 218.8398

■ 6.2504, 9.2252,
20.4130

■ 155.9657,
185.0492, 266.8202

■ 3.0400, 4.8884,
12.5086

192.7237,
226.8315, 321.3461

■ 1.1750, 2.1819,
6.9643

234.8458,

■ 0.0865, 0.7101,

274.4726, 382.8362

3.3617

282.6975,
328.3569, 451.7089

■ 0.0000, 0.0000,
1.2821

■ 0.0000, 0.0000,
0.0471

■ 39.8519, 50.5643,
84.0034

■ 39.8519, 50.5643,
84.0034

■ 36.9447, 47.4641,
83.5592

■ 43.4909, 54.0925,
84.4936

■ 34.6948, 44.7501,
83.1539

■ 47.9174, 58.0746,
85.0289

■ 33.0197, 42.3802,
82.7848

■ 53.1870, 62.5410,
85.6132

■ 32.0408, 40.7765,
82.5268

■ 59.3488, 67.5172,
86.2490

66.4481, 73.0270,
86.9383

74.5271, 79.0926,
87.6833

83.6252, 85.7347,
88.4858

87.0019, 89.4787,
89.0305

88.3863, 92.2476,
89.4920

Harmonies

Analogous

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



37.1004, 50.5643, 64.7092



39.8519, 50.5643, 84.0034



44.9348, 50.5643, 96.7199

Triad

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



39.8519, 50.5643, 84.0034



60.9880, 50.5643, 64.7235



44.9391, 50.5643, 27.4924

Complementary

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



39.8519, 50.5643, 84.0034



41.2458, 30.3365, 12.7001

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.



51.3265, 50.5643, 27.4946



39.8519, 50.5643, 84.0034



60.9894, 50.5643, 46.4139

Square

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



39.8519, 50.5643, 84.0034



57.3202, 50.5643, 84.0159



57.3239, 50.5643, 33.6640



39.8548, 50.5643, 33.6572

Rectangle

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



39.8519, 50.5643, 84.0034



49.1408, 50.5643, 98.2888



57.3239, 50.5643, 33.6640



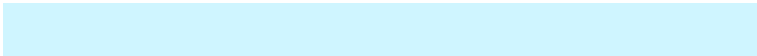
46.9949, 50.5643, 26.8255

Sweetspot

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



39.8535, 50.5662, 84.0046



76.4029, 85.9133, 107.1638



35.8022, 60.9461, 25.6743



15.8342, 17.9814, 22.8862



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.



39.8535, 50.5662, 84.0046



44.8967, 57.7988, 103.3977



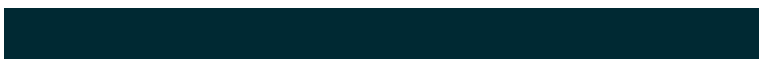
26.8738, 24.6067, 79.6780



14.5498, 15.8209, 18.4312



17.8787, 22.8195, 45.8455



1.3836, 1.8111, 3.4086

Inverse Universe

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



47.4678, 28.2856, 59.4596



55.5513, 29.8954, 68.3181



52.5769, 52.9986, 16.4772



14.8651, 14.5632, 17.4899



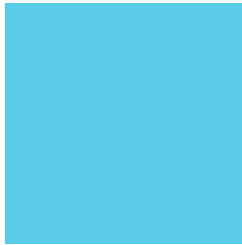
23.4179, 11.5014, 26.8932



1.7620, 0.8625, 2.1532

Previews

White Background



This preview shows how the XYZ color 39.8519, 50.5643, 84.0034 looks on a white background.

Color Contrast Check

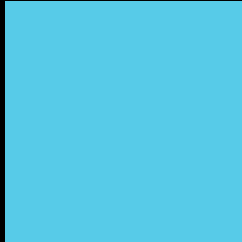
Large Text (above 18pt) WCAG AA × Fail

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 39.8519, 50.5643, 84.0034 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 39.8519, 50.5643, 84.0034

Background



This preview shows how black text looks on a background with the XYZ color 39.8519, 50.5643, 84.0034.

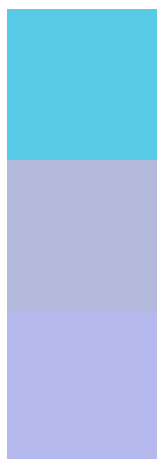


This preview shows how white text looks on a background with the XYZ color 39.8519, 50.5643,

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

39.8519, 50.5643, 84.0034

Protanopia

49.2996, 49.9884, 74.7605

Deuteranopia

51.1032, 50.0404, 86.3222



Tritanopia

38.3621, 50.6769, 76.1663

Trichromacy



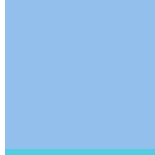
Original Color

39.8519, 50.5643, 84.0034



Protanomaly

44.1582, 49.1921, 77.6886



Deuteranomaly

45.4803, 49.3708, 85.7297



Tritanomaly

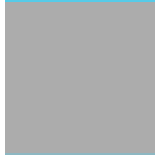
38.8396, 50.5068, 78.9359

Monochromacy



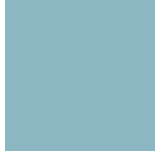
Original Color

39.8519, 50.5643, 84.0034



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.6556, 43.4247, 57.4361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8519, 50.5643, 84.0034 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(87, 203, 232)` looks like.

```
.text, #text, p{  
    color:rgb(87, 203, 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(87, 203, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 203, 232) }
```

Border

The CSS property to change the border of an element to XYZ 39.8519, 50.5643, 84.0034 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(87, 203, 232) }
```


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

```
.border{ border-color:rgb(87, 203, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 203, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 203, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 203, 232);  
box-shadow:4px 4px 4px 4px rgb(87, 203,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8519, 50.5643, 84.0034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 203, 232) }
```

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

```
.background{ background-color: rgb(87, 203,  
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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