

Converting Colors

XYZ(34.8725, 39.5057, 85.9078)

Have a look what the booklet for
XYZ(34.8725, 39.5057, 85.9078)
contains.

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Color

**XYZ(34.9387, 39.5849,
85.9200)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 57B1ED |
| RGB | 87, 177, 237 |
| RGB Percent | 34%, 69%, 93% |
| CMY | 0.6588, 0.3059, 0.0706 |
| CMYK | 0.63, 0.25, 0.00, 0.07 |
| HSL | 204°, 81%, 64% |
| HSV | 204°, 63%, 93% |
| XYZ | 34.9387, 39.5849, 85.9200 |
| YIQ | 156.9300, -72.9000, -0.4200 |

Conversions

Conversions Part 2

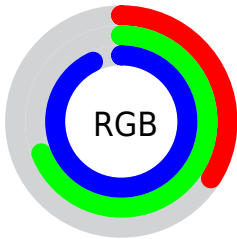
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 87, 143, 237 |
| Decimal | 5747181 |
| CIE Lab | 69.17, -8.95, -37.97 |
| CIE LCh | 69, 39.008, 256.734 |
| Yxy | 39.5849, 0.2178, 0.2467 |
| Android (android.graphics.Color) | 4283937261 (0xFF57B1ED) |
| YUV | 156.9300, 39.4745, -61.3286 |
| Hunter-Lab | 62.9165, -10.9796, -36.9260 |

Details

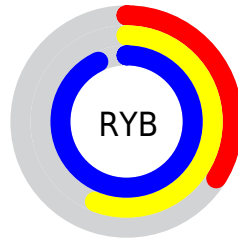
The XYZ color **34.9387, 39.5849, 85.9200** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **47.0810, 39.5628, 14.1736**, and the grayscale version is **31.8696, 33.5293, 36.5134**.

A 20% lighter version of the original color is **59.5833, 71.8874, 105.3430**, and **15.6741, 18.0034, 46.3650** is the 20% darker color. If you saturate the color by 10%, you get **31.2704, 35.0105, 85.2312**, and if you desaturate by 10%, it is **39.4659, 44.7966, 86.6881**.

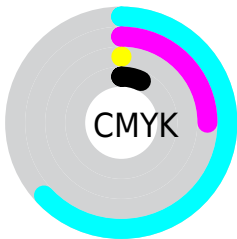
Distribution



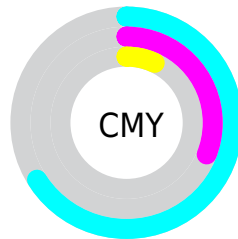
- Red (34%)
- Green (69%)
- Blue (93%)



- Red (34%)
- Yellow (56%)
- Blue (93%)



- Cyan (63%)
- Magenta (25%)
- Yellow (0%)
- Black (7%)



- Cyan (66%)
- Magenta (31%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9387, 39.5849, 85.9200 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 34.9387, 39.5849, 85.9200 by changing the saturation by 10% instead.

■ 34.9387, 39.5849,
85.9200

■ 34.9387, 39.5849,
85.9200

315.8104,
344.3709, 534.8912

■ 23.7820, 27.2150,
64.0473

■ 66.7254, 74.5310,
143.5434

■ 15.2958, 17.7348,
46.2426

■ 88.0861, 97.8760,
180.1312

■ 9.1149, 10.7598,
32.0872

■ 113.5789,
125.6482, 222.4611

■ 4.8739, 5.9055,
21.1628

■ 143.5690,
158.2320, 270.9516

■ 2.2075, 2.7877,
13.0506

178.4219,
196.0118, 326.0214

■ 0.7467, 1.0219,
7.3323

218.5028,

■ 0.0000, 0.0000,

239.3719, 388.0889

3.5892

264.1772,
288.6968, 457.5726

■ 0.0000, 0.0000,
1.4028

■ 0.0000, 0.0000,
0.1439

■ 34.9387, 39.5849,
85.9200

■ 34.9387, 39.5849,
85.9200

■ 31.2704, 35.0105,
85.2312

■ 39.4659, 44.7966,
86.6881

■ 28.3801, 31.0257,
84.6144

■ 44.9146, 50.6796,
87.5365

■ 26.1765, 27.5801,
84.0654

■ 51.3457, 57.2697,
88.4695

■ 24.9886, 25.5193,
83.7303

■ 58.8136, 64.5983,
89.4905

67.3682, 72.6949,
90.6024

77.0561, 81.5868,
91.8081

87.9211, 91.2998,
93.1103

91.6026, 97.5272,
94.1183

92.2862, 98.8945,
94.3461

Harmonies

Analogous

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



29.9884, 39.5849, 73.2618



34.9387, 39.5849, 85.9200



41.1841, 39.5849, 85.0708

Triad

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



34.9387, 39.5849, 85.9200



50.3177, 39.5849, 33.9489



29.5495, 39.5849, 23.5859

Complementary

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



34.9387, 39.5849, 85.9200



47.0810, 39.5628, 14.1736

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.



34.2757, 39.5849, 17.8664



34.9387, 39.5849, 85.9200



46.4573, 39.5849, 22.6162

Square

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



34.9387, 39.5849, 85.9200



50.5461, 39.5849, 51.4733



40.4440, 39.5849, 17.5690



27.1168, 39.5849, 35.6901

Rectangle

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



34.9387, 39.5849, 85.9200



45.2628, 39.5849, 76.9037



40.4440, 39.5849, 17.5690



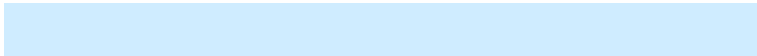
30.8974, 39.5849, 21.0187

Sweetspot

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



34.9401, 39.5863, 85.9210



73.5425, 80.1926, 106.2104



39.4827, 64.7024, 38.0140



15.1382, 16.5895, 22.6542



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.



34.9401, 39.5863, 85.9210



35.8034, 39.8517, 100.4128



23.9697, 17.6455, 82.2642



14.9829, 16.0523, 19.2310



13.7746, 14.1962, 45.7571



1.1753, 1.3021, 3.6243

Inverse Universe

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



46.2704, 27.9969, 44.5613



50.9029, 27.8123, 44.5303



62.7678, 70.9365, 19.4026



15.4449, 15.2058, 17.6283



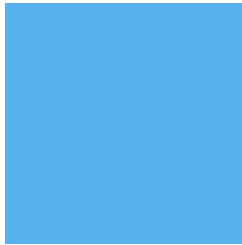
21.8081, 10.9259, 15.3226



1.7598, 0.8769, 1.4522

Previews

White Background



This preview shows how the XYZ color 34.9387, 39.5849, 85.9200 looks on a white background.

Color Contrast Check

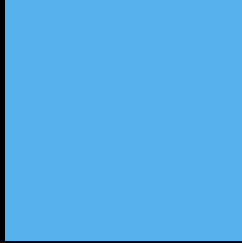
Large Text (above 18pt) WCAG AA × Fail

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 34.9387, 39.5849, 85.9200 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

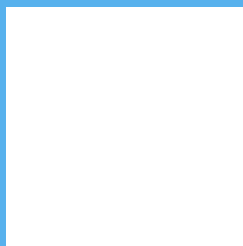
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9387, 39.5849, 85.9200

Background



This preview shows how black text looks on a background with the XYZ color 34.9387, 39.5849, 85.9200.



This preview shows how white text looks on a background with the XYZ color 34.9387, 39.5849,

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

34.9387, 39.5849, 85.9200

Protanopia

40.2175, 39.3579, 78.8759

Deuteranopia

40.2007, 39.1672, 87.1026



Tritanopia

29.8332, 39.6334, 60.1105

Trichromacy



Original Color

34.9387, 39.5849, 85.9200

Protanomaly

37.5509, 39.0310, 81.1559

Deuteranomaly

37.6925, 38.9874, 86.4276

Tritanomaly

31.4358, 39.3477, 68.8888

Monochromacy



Original Color

34.9387, 39.5849, 85.9200

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.6541, 35.0016, 51.5420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9387, 39.5849, 85.9200 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, 177, 237)` looks like.

```
.text, #text, p{  
    color:rgb(87, 177, 237)  
}
```

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, 177, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 177, 237) }
```

Border

The CSS property to change the border of an element to XYZ 34.9387, 39.5849, 85.9200 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, 177, 237) }
```


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

```
.border{ border-color:rgb(87, 177, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 177, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 177, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 177, 237);  
box-shadow:4px 4px 4px 4px rgb(87, 177,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9387, 39.5849, 85.9200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 177, 237) }
```

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

```
.background{ background-color: rgb(87, 177,  
237) }
```

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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