

Converting Colors

XYZ(34.9927, 39.3709, 83.5969)

Have a look what the booklet for
XYZ(34.9927, 39.3709, 83.5969)
contains.

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Color

**XYZ(34.9927, 39.3709,
83.5969)**

Conversions

Conversions Part 1

Format	Color
Hex	5EB0EA
RGB	94, 176, 234
RGB Percent	37%, 69%, 92%
CMY	0.6313, 0.3098, 0.0823
CMYK	0.60, 0.25, 0.00, 0.08
HSL	205°, 77%, 64%
HSV	205°, 60%, 92%
XYZ	34.9927, 39.3709, 83.5969
YIQ	158.0940, -67.4900, 0.6540

Conversions

Conversions Part 2

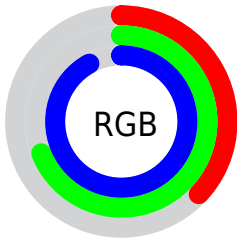
Format	Color
RYB	94, 146, 234
Decimal	6205674
CIELab	69.02, -8.10, -36.55
CIELCh	69, 37.439, 257.499
Yxy	39.3709, 0.2215, 0.2492
Android (android.graphics.Color)	4284395754 (0xFF5EB0EA)
YUV	158.0940, 37.4217, -56.2104
Hunter-Lab	62.7462, -10.2590, -35.0698

Details

The XYZ color **34.9927, 39.3709, 83.5969** 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 **47.1818, 40.7591, 15.9719**, and the grayscale version is **32.4010, 34.0884, 37.1222**.

A 20% lighter version of the original color is **59.9523, 71.2419, 105.1990**, and **15.3687, 17.6942, 44.7248** is the 20% darker color. If you saturate the color by 10%, you get **31.1135, 34.6499, 82.8909**, and if you desaturate by 10%, it is **39.7375, 44.7410, 84.3841**.

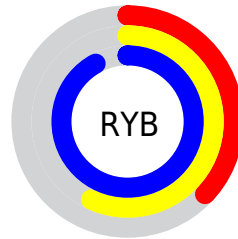
Distribution



Red (37%)

Green (69%)

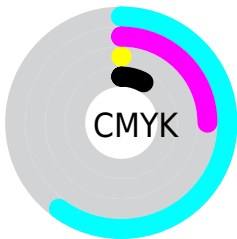
Blue (92%)



Red (37%)

Yellow (57%)

Blue (92%)

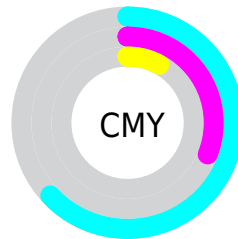


Cyan (60%)

Magenta (25%)

Yellow (0%)

Black (8%)



Cyan (63%)

Magenta (31%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9927, 39.3709, 83.5969 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 34.9927, 39.3709, 83.5969 by changing the saturation by 10% instead.

■ 34.9927, 39.3709,
83.5969

■ 34.9927, 39.3709,
83.5969

316.0447,
343.4648, 526.9967

■ 23.8237, 27.0484,
62.1392

■ 66.8086, 74.2046,
140.2679

■ 15.3269, 17.6096,
44.7087

■ 88.1862, 97.4845,
176.3182

■ 9.1370, 10.6700,
30.8868

■ 113.6974,
125.1858, 218.0699

■ 4.8885, 5.8454,
20.2549

■ 143.7075,
157.6927, 265.9414

■ 2.2160, 2.7513,
12.3945

178.5820,
195.3896, 320.3513

■ 0.7512, 1.0033,
6.8872

218.6861,

■ 0.0000, 0.0000,

238.6611, 381.7181

3.3143

264.3852,
287.8913, 450.4604

■ 0.0000, 0.0000,
1.2573

■ 0.0000, 0.0000,
0.0264

■ 34.9927, 39.3709,
83.5969

■ 34.9927, 39.3709,
83.5969

■ 31.1135, 34.6499,
82.8909

■ 39.7375, 44.7410,
84.3841

■ 28.0250, 30.5332,
82.2591

■ 45.4061, 50.7923,
85.2534

■ 25.6447, 26.9747,
81.6977

■ 52.0560, 57.5590,
86.2090

■ 23.8341, 23.8985,
81.1993

■ 59.7384, 65.0713,
87.2541

■ 23.8051, 23.8479,
81.1911

■ 68.5010, 73.3575,
88.3917

■ 78.3882, 82.4442,
89.6245

■ 88.4012, 91.8201,
90.9064

■ 91.3932, 97.8042,
91.9038

■ 91.8514, 98.7206,
92.0565

Harmonies

Analogous

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



30.1948, 39.3709, 71.9310



34.9927, 39.3709, 83.5969



40.9764, 39.3709, 82.4453

Triad

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



34.9927, 39.3709, 83.5969



49.4596, 39.3709, 33.7309



29.5861, 39.3709, 24.2857

Complementary

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



34.9927, 39.3709, 83.5969



47.1818, 40.7591, 15.9719

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.



34.0772, 39.3709, 18.5528



34.9927, 39.3709, 83.5969



45.7166, 39.3709, 22.9255

Square

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



34.9927, 39.3709, 83.5969



49.7720, 39.3709, 50.3787



39.9588, 39.3709, 18.1319



27.3034, 39.3709, 36.1439

Rectangle

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



34.9927, 39.3709, 83.5969



44.8458, 39.3709, 74.5649



39.9588, 39.3709, 18.1319



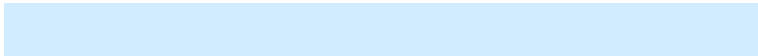
30.8643, 39.3709, 21.7325

Sweetspot

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



34.9941, 39.3723, 83.5979



74.3636, 80.7716, 106.2788



39.5453, 63.4284, 39.0148



15.2898, 16.6864, 22.6649



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.



34.9941, 39.3723, 83.5979



36.7852, 40.7893, 100.5421



24.8315, 19.0471, 80.2103



14.9643, 16.0151, 19.2248



13.5040, 13.6551, 45.6669



1.1549, 1.2613, 3.6175

Inverse Universe

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



45.7721, 28.6339, 44.1901



51.6490, 29.0696, 45.5027



61.5463, 69.4881, 20.7600



15.4355, 15.2021, 17.5789



21.6715, 10.8713, 14.6034



1.7494, 0.8727, 1.3979

Previews

White Background



This preview shows how the XYZ color 34.9927, 39.3709, 83.5969 looks on a white background.

Color Contrast Check

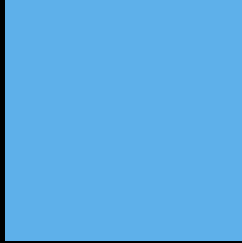
Large Text (above 18pt) WCAG AA × Fail

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 34.9927, 39.3709, 83.5969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

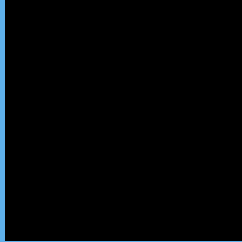
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

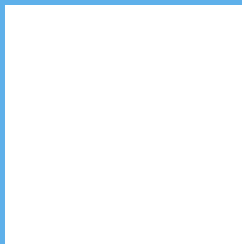
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9927, 39.3709, 83.5969

Background



This preview shows how black text looks on a background with the XYZ color 34.9927, 39.3709, 83.5969.



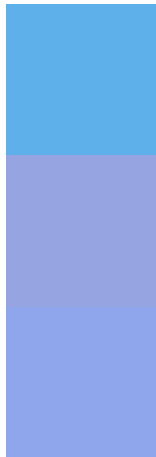
This preview shows how white text looks on a background with the XYZ color 34.9927, 39.3709,

83.5969.

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

34.9927, 39.3709, 83.5969

Protanopia

39.7603, 38.8853, 77.3615

Deuteranopia

40.1042, 39.1682, 84.8034



Tritanopia

30.2684, 39.5639, 59.4674

Trichromacy



Original Color

34.9927, 39.3709, 83.5969

Protanomaly

37.5367, 38.7789, 79.6354

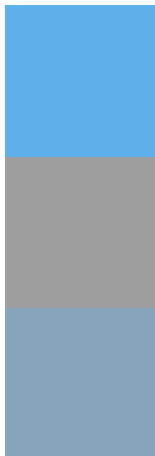
Deuteranomaly

37.8276, 39.1076, 84.1521

Tritanomaly

31.7353, 39.2305, 67.5276

Monochromacy



Original Color

34.9927, 39.3709, 83.5969

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.3097, 35.6063, 51.6242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9927, 39.3709, 83.5969 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(94, 176, 234)` looks like.

```
.text, #text, p{  
    color:rgb(94, 176, 234)  
}
```

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(94, 176, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 176, 234) }
```

Border

The CSS property to change the border of an element to XYZ 34.9927, 39.3709, 83.5969 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(94, 176, 234) }
```


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

```
.border{ border-color:rgb(94, 176, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 176, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 176, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 176, 234);  
box-shadow:4px 4px 4px 4px rgb(94, 176,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9927, 39.3709, 83.5969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 176, 234) }
```

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

```
.background{ background-color: rgb(94, 176,  
234) }
```

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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