

Converting Colors

XYZ(34.4188, 39.2473, 89.5175)

Have a look what the booklet for
XYZ(34.4188, 39.2473, 89.5175)
contains.

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Color

**XYZ(34.4968, 39.2716,
89.7664)**

Conversions

Conversions Part 1

Format	Color
Hex	49B1F2
RGB	73, 177, 242
RGB Percent	29%, 69%, 95%
CMY	0.7137, 0.3059, 0.0510
CMYK	0.70, 0.27, 0.00, 0.05
HSL	203°, 87%, 62%
HSV	203°, 70%, 95%
XYZ	34.4968, 39.2716, 89.7664
YIQ	153.3140, -82.8490, -1.8330

Conversions

Conversions Part 2

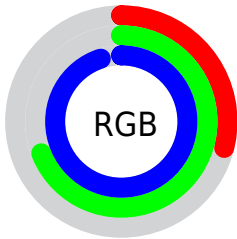
Format	Color
R _Y B	73, 137, 242
Decimal	4829682
CIE Lab	68.95, -9.50, -41.07
CIE LCh	69, 42.157, 256.981
Yxy	39.2716, 0.2109, 0.2401
Android (android.graphics.Color)	4283019762 (0xFF49B1F2)
YUV	153.3140, 43.7222, -70.4354
Hunter-Lab	62.6671, -11.4071, -41.0621

Details

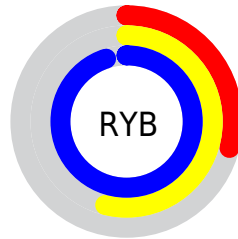
The XYZ color **34.4968, 39.2716, 89.7664** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **46.9110, 37.5381, 11.0782**, and the grayscale version is **30.2581, 31.8339, 34.6671**.

A 20% lighter version of the original color is **57.8364, 70.9868, 105.2613**, and **16.1965, 18.2124, 49.1161** is the 20% darker color. If you saturate the color by 10%, you get **31.2309, 34.9516, 89.1055**, and if you desaturate by 10%, it is **38.6038, 44.2126, 90.5044**.

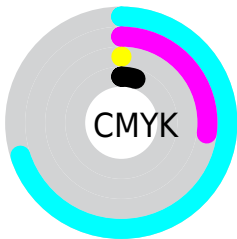
Distribution



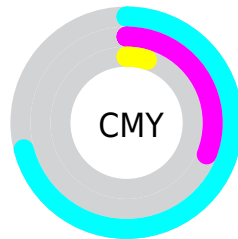
- Red (29%)
- Green (69%)
- Blue (95%)



- Red (29%)
- Yellow (54%)
- Blue (95%)



- Cyan (70%)
- Magenta (27%)
- Yellow (0%)
- Black (5%)



- Cyan (71%)
- Magenta (31%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4968, 39.2716, 89.7664 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 34.4968, 39.2716, 89.7664 by changing the saturation by 10% instead.

■ 34.4968, 39.2716,
89.7664

■ 34.4968, 39.2716,
89.7664

313.8887,
343.0438, 547.8211

■ 23.4402, 26.9711,
67.2143

■ 66.0447, 74.0530,
148.9466

■ 15.0414, 17.5515,
48.7961

■ 87.2667, 97.3028,
186.4117

■ 8.9349, 10.6285,
34.0933

■ 112.6078,
124.9710, 229.6849

■ 4.7555, 5.8176,
22.6873

■ 142.4335,
157.4422, 279.1847

■ 2.1378, 2.7345,
14.1597

177.1091,
195.1006, 335.3297

■ 0.7097, 0.9947,
8.0918

216.9999,

■ 0.0000, 0.0000,

238.3308, 398.5384

4.0651

262.4713,
287.5171, 469.2294

■ 0.0000, 0.0000,
1.6611

■ 0.0000, 0.0000,
0.3339

■ 34.4968, 39.2716,
89.7664

■ 34.4968, 39.2716,
89.7664

■ 31.2309, 34.9516,
89.1055

■ 38.6038, 44.2126,
90.5044

■ 28.7114, 31.1983,
88.5138


■ 43.6240, 49.8135,
91.3209


■ 26.7921, 27.9332,
87.9847


■ 49.6259, 56.1137,
92.2207


■ 26.7620, 27.8806,
87.9762


■ 56.6698, 63.1478,
93.2071

 64.8110, 70.9474,
94.2835

 74.1004, 79.5422,
95.4529

 84.5858, 88.9597,
96.7180

 91.9103, 96.9572,
97.8756

 93.0272, 99.1909,
98.2479

Harmonies

Analogous

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



29.2034, 39.2716, 75.8358



34.4968, 39.2716, 89.7664



41.2199, 39.2716, 88.6874

Triad

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



34.4968, 39.2716, 89.7664



51.0647, 39.2716, 32.8574



28.6715, 39.2716, 22.1923

Complementary

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



34.4968, 39.2716, 89.7664



46.9110, 37.5381, 11.0782

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.



33.6863, 39.2716, 16.2756



34.4968, 39.2716, 89.7664



46.8314, 39.2716, 21.0468

Square

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



34.4968, 39.2716, 89.7664



51.3495, 39.2716, 51.6289



40.3068, 39.2716, 15.9310



26.1216, 39.2716, 34.9699

Rectangle

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



34.4968, 39.2716, 89.7664



45.6317, 39.2716, 79.5579



40.3068, 39.2716, 15.9310



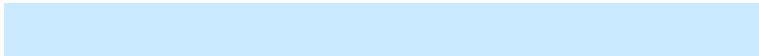
30.0956, 39.2716, 19.5265

Sweetspot

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



34.4982, 39.2730, 89.7674



71.7963, 78.7754, 106.0288



39.0731, 66.7506, 34.7900



14.8061, 16.3281, 22.6212



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.



34.4982, 39.2730, 89.7674



33.8259, 37.4261, 100.0489



22.6659, 15.6084, 85.8233



15.7072, 16.8484, 20.1458



14.5130, 15.2502, 47.3065



1.3033, 1.4606, 3.9675

Inverse Universe

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



46.9376, 26.8183, 44.2988



49.5314, 25.8342, 41.7148



64.0184, 71.7529, 16.7807



16.1816, 15.9224, 18.5127



22.6511, 11.3329, 16.6111



1.9328, 0.9622, 1.6370

Previews

White Background



This preview shows how the XYZ color 34.4968, 39.2716, 89.7664 looks on a white background.

Color Contrast Check

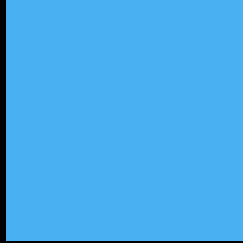
Large Text (above 18pt) WCAG AA × Fail

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 34.4968, 39.2716, 89.7664 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

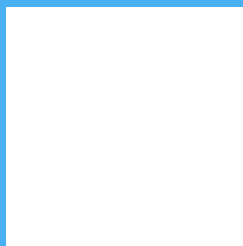
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4968, 39.2716, 89.7664

Background



This preview shows how black text looks on a background with the XYZ color 34.4968, 39.2716, 89.7664.



This preview shows how white text looks on a background with the XYZ color 34.4968, 39.2716,

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

34.4968, 39.2716, 89.7664

Protanopia

40.0532, 38.9395, 81.7490

Deuteranopia

40.1093, 39.0159, 91.8030



Tritanopia

28.7291, 39.3603, 60.7267

Trichromacy



Original Color

34.4968, 39.2716, 89.7664

Protanomaly

37.0740, 38.4251, 84.8197

Deuteranomaly

37.3860, 38.7258, 91.0923

Tritanomaly

30.4619, 39.1191, 70.2352

Monochromacy



Original Color

34.4968, 39.2716, 89.7664

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.9895, 33.6285, 50.8093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4968, 39.2716, 89.7664 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(73, 177, 242)` looks like.

```
.text, #text, p{  
    color:rgb(73, 177, 242)  
}
```

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(73, 177, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 177, 242) }
```

Border

The CSS property to change the border of an element to XYZ 34.4968, 39.2716, 89.7664 is called "border". The border property can be set on classes, ids or directly on the HTML element.

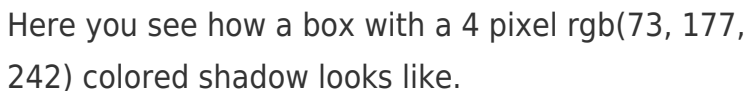
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(73, 177, 242) }
```


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

```
.border{ border-color:rgb(73, 177, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(73, 177, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(73, 177, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(73, 177, 242); box-shadow:4px 4px 4px 4px rgb(73, 177, 242) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4968, 39.2716, 89.7664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 177, 242) }
```

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

```
.background{ background-color: rgb(73, 177,  
242) }
```

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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