

Converting Colors

XYZ(34.7041, 39.5299, 83.6440)

Have a look what the booklet for
XYZ(34.7041, 39.5299, 83.6440)
contains.

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Color

**XYZ(34.6932, 39.5086,
83.6393)**

Conversions

Conversions Part 1

Format	Color
Hex	59B1EA
RGB	89, 177, 234
RGB Percent	35%, 69%, 92%
CMY	0.6510, 0.3059, 0.0823
CMYK	0.62, 0.24, 0.00, 0.08
HSL	204°, 78%, 63%
HSV	204°, 62%, 92%
XYZ	34.6932, 39.5086, 83.6393
YIQ	157.1860, -70.7450, -0.9290

Conversions

Conversions Part 2

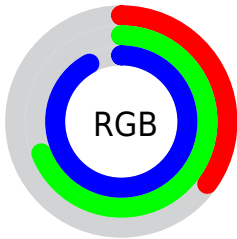
Format	Color
R_{YB}	89, 144, 234
Decimal	5878250
CIE _{Lab}	69.12, -9.56, -36.41
CIE _{LCh}	69, 37.645, 255.294
Yxy	39.5086, 0.2198, 0.2503
Android (android.graphics.Color)	4284068330 (0xFF59B1EA)
YUV	157.1860, 37.8693, -59.7991
Hunter-Lab	62.8559, -11.4750, -34.8953

Details

The XYZ color **34.6932, 39.5086, 83.6393** 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 **46.0153, 38.7737, 14.5116**, and the grayscale version is **31.9907, 33.6567, 36.6521**.

A 20% lighter version of the original color is **59.7666, 71.9819, 105.3516**, and **15.3695, 17.8816, 44.7609** is the 20% darker color. If you saturate the color by 10%, you get **31.0382, 35.0180, 82.9659**, and if you desaturate by 10%, it is **39.1868, 44.6148, 84.3888**.

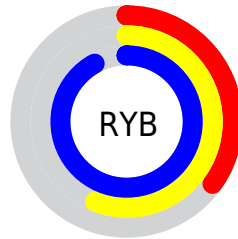
Distribution



Red (35%)

Green (69%)

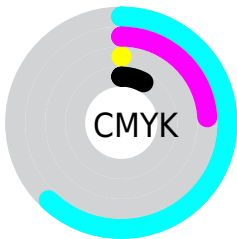
Blue (92%)



Red (35%)

Yellow (56%)

Blue (92%)

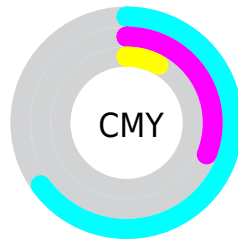


Cyan (62%)

Magenta (24%)

Yellow (0%)

Black (8%)



Cyan (65%)

Magenta (31%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6932, 39.5086, 83.6393 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 34.6932, 39.5086, 83.6393 by changing the saturation by 10% instead.

■ 34.6932, 39.5086,
83.6393

■ 34.6932, 39.5086,
83.6393

314.7438,
344.0480, 527.1414

■ 23.5920, 27.1556,
62.1740

■ 66.3474, 74.4146,
140.3277

■ 15.1544, 17.6901,
44.7366

■ 87.6311, 97.7365,
176.3879

■ 9.0148, 10.7277,
30.9086

■ 113.0397,
125.4834, 218.1502

■ 4.8080, 5.8841,
20.2714

■ 142.9386,
158.0398, 266.0331

■ 2.1687, 2.7747,
12.4064

177.6931,
195.7901, 320.4551

■ 0.7261, 1.0153,
6.8952

217.6686,

■ 0.0000, 0.0000,

239.1186, 381.8348

3.3192

263.2304,
288.4098, 450.5907

■ 0.0000, 0.0000,
1.2598

■ 0.0000, 0.0000,
0.0285

■ 34.6932, 39.5086,
83.6393

■ 34.6932, 39.5086,
83.6393

■ 31.0382, 35.0180,
82.9659

■ 39.1868, 44.6148,
84.3888

■ 28.1450, 31.0977,
82.3617

■ 44.5784, 50.3685,
85.2152

■ 25.9280, 27.7006,
81.8229

■ 50.9262, 56.8038,
86.1228

■ 24.5263, 25.2903,
81.4315

■ 58.2821, 63.9507,
87.1146

■ 66.6940, 71.8371,
88.1935

■ 76.2066, 80.4891,
89.3621

■ 86.8618, 89.9315,
90.6231

■ 90.4617, 95.9410,
91.5933

■ 91.8514, 98.7206,
92.0566

Harmonies

Analogous

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



29.9932, 39.5086, 71.0963



34.6932, 39.5086, 83.6393



40.6840, 39.5086, 83.5023

Triad

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



34.6932, 39.5086, 83.6393



49.8413, 39.5086, 34.8636



29.9210, 39.5086, 23.6800

Complementary

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



34.6932, 39.5086, 83.6393



46.0153, 38.7737, 14.5116

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.



34.5845, 39.5086, 18.3356



34.6932, 39.5086, 83.6393



46.2841, 39.5086, 23.5188

Square

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



34.6932, 39.5086, 83.6393



49.8784, 39.5086, 51.9809



40.5631, 39.5086, 18.2858



27.4443, 39.5086, 35.1499

Rectangle

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



34.6932, 39.5086, 83.6393



44.6340, 39.5086, 76.0893



40.5631, 39.5086, 18.2858



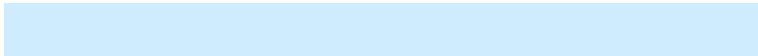
31.2613, 39.5086, 21.2608

Sweetspot

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



34.6946, 39.5100, 83.6403



73.6387, 80.3849, 106.2424



38.6228, 63.0021, 36.7469



15.1615, 16.6361, 22.6619



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.



34.6946, 39.5100, 83.6403



36.8043, 41.3632, 100.6518



24.1181, 18.3571, 80.1148



14.9919, 16.0702, 19.2340



13.9083, 14.4636, 45.8017



1.1854, 1.3222, 3.6276

Inverse Universe

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



45.4411, 27.8130, 44.5696



51.5278, 28.5204, 46.4084



60.5703, 67.8836, 19.3633



15.4495, 15.2076, 17.6522



21.8756, 10.9529, 15.6780



1.7648, 0.8789, 1.4789

Previews

White Background



This preview shows how the XYZ color 34.6932, 39.5086, 83.6393 looks on a white background.

Color Contrast Check

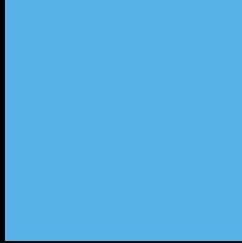
Large Text (above 18pt) WCAG AA × Fail

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 34.6932, 39.5086, 83.6393 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

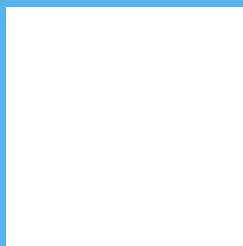
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6932, 39.5086, 83.6393

Background



This preview shows how black text looks on a background with the XYZ color 34.6932, 39.5086, 83.6393.



This preview shows how white text looks on a background with the XYZ color 34.6932, 39.5086,

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

34.6932, 39.5086, 83.6393

Protanopia

39.9893, 39.2880, 76.7098

Deuteranopia

40.2500, 39.2265, 85.5708



Tritanopia

30.0060, 39.7359, 59.5144

Trichromacy



Original Color

34.6932, 39.5086, 83.6393

Protanomaly

37.2804, 38.9401, 78.9501

Deuteranomaly

37.6834, 39.0165, 84.9017

Tritanomaly

31.4236, 39.3706, 67.5711

Monochromacy



Original Color

34.6932, 39.5086, 83.6393

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.5481, 34.9592, 50.9840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6932, 39.5086, 83.6393 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(89, 177, 234)` looks like.

```
.text, #text, p{  
    color:rgb(89, 177, 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(89, 177, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 177, 234) }
```

Border

The CSS property to change the border of an element to XYZ 34.6932, 39.5086, 83.6393 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(89, 177, 234) }
```


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

```
.border{ border-color:rgb(89, 177, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 177, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 177, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 177, 234);  
box-shadow:4px 4px 4px 4px rgb(89, 177,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6932, 39.5086, 83.6393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 177, 234) }
```

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

```
.background{ background-color: rgb(89, 177,  
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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