

Converting Colors

XYZ(34.1396, 39.8981, 82.2829)

Have a look what the booklet for
XYZ(34.1396, 39.8981, 82.2829)
contains.

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Color

**XYZ(34.0789, 39.8157,
82.2330)**

Conversions

Conversions Part 1

Format	Color
Hex	51B3E8
RGB	81, 179, 232
RGB Percent	32%, 70%, 91%
CMY	0.6823, 0.2980, 0.0902
CMYK	0.65, 0.23, 0.00, 0.09
HSL	201°, 77%, 61%
HSV	201°, 65%, 91%
XYZ	34.0789, 39.8157, 82.2330
YIQ	155.7400, -75.4210, -4.2930

Conversions

Conversions Part 2

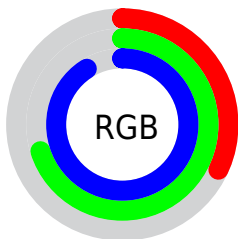
Format	Color
R _Y B	81, 140, 232
Decimal	5354472
CIE Lab	69.34, -12.63, -35.00
CIE LCh	69, 37.208, 250.163
Yxy	39.8157, 0.2183, 0.2550
Android (android.graphics.Color)	4283544552 (0xFF51B3E8)
YUV	155.7400, 37.5962, -65.5470
Hunter-Lab	63.0997, -14.0201, -33.0984

Details

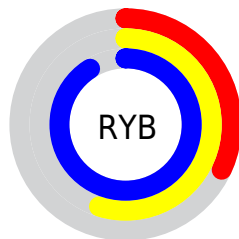
The XYZ color **34.0789, 39.8157, 82.2330** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **43.2907, 34.8023, 12.2221**, and the grayscale version is **31.3477, 32.9802, 35.9154**.

A 20% lighter version of the original color is **59.2599, 72.5660, 105.4910**, and **15.2973, 18.0563, 43.7533** is the 20% darker color. If you saturate the color by 10%, you get **30.8357, 35.7927, 81.6282**, and if you desaturate by 10%, it is **38.1000, 44.3843, 82.9037**.

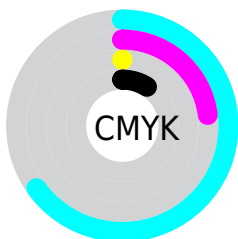
Distribution



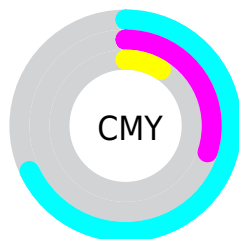
- Red (32%)
- Green (70%)
- Blue (91%)



- Red (32%)
- Yellow (55%)
- Blue (91%)



- Cyan (65%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)



- Cyan (68%)
- Magenta (30%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0789, 39.8157, 82.2330 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 34.0789, 39.8157, 82.2330 by changing the saturation by 10% instead.

■ 34.0789, 39.8157,
82.2330

■ 34.0789, 39.8157,
82.2330

312.0634,
345.3462, 522.3306

■ 23.1174, 27.3949,
61.0207

■ 65.3998, 74.8828,
138.3403

■ 14.8014, 17.8700,
43.8112

■ 86.4899, 98.2978,
174.0724

■ 8.7655, 10.8567,
30.1860

■ 111.6870,
126.1464, 215.4814

■ 4.6444, 5.9706,
19.7266

■ 141.3563,
158.8129, 262.9860

■ 2.0728, 2.8272,
12.0143

175.8633,
196.6818, 317.0047

■ 0.6744, 1.0422,
6.6308

215.5732,

■ 0.0000, 0.0000,

240.1373, 377.9560

3.1574

260.8515,
289.5640, 446.2585

■ 0.0000, 0.0000,
1.1755

■ 0.0000, 0.0000,
0.0000

■ 34.0789, 39.8157,
82.2330

■ 34.0789, 39.8157,
82.2330

■ 30.8357, 35.7927,
81.6282

■ 38.1000, 44.3843,
82.9037

■ 28.2923, 32.2703,
81.0824

■ 42.9589, 49.5295,
83.6407

■ 26.3594, 29.2009,
80.5918

■ 48.7138, 55.2845,
84.4482

■ 25.5629, 27.8208,
80.3674

■ 55.4161, 61.6780,
85.3290

■ 63.1134, 68.7367,
86.2858

■ 71.8496, 76.4855,
87.3210

■ 81.6661, 84.9478,
88.4370

■ 88.2011, 91.8771,
89.4301

■ 90.7078, 96.8905,
90.2657

Harmonies

Analogous

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



29.7284, 39.8157, 68.2128



34.0789, 39.8157, 82.2330



39.9064, 39.8157, 84.4523

Triad

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



34.0789, 39.8157, 82.2330



50.3102, 39.8157, 37.8042



30.9096, 39.8157, 22.7627

Complementary

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



34.0789, 39.8157, 82.2330



43.2907, 34.8023, 12.2221

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.



35.8532, 39.8157, 18.3690



34.0789, 39.8157, 82.2330



47.3156, 39.8157, 25.4117

Square

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



34.0789, 39.8157, 82.2330



49.7066, 39.8157, 55.4983



41.8759, 39.8157, 19.1907



28.0364, 39.8157, 33.1223

Rectangle

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



34.0789, 39.8157, 82.2330



43.9122, 39.8157, 78.4587



41.8759, 39.8157, 19.1907



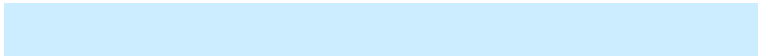
32.3616, 39.8157, 20.6808

Sweetspot

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



34.0803, 39.8171, 82.2340



73.2647, 80.6830, 106.3197



36.5440, 61.1807, 32.3846



15.1158, 16.7478, 22.6859



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.



34.0803, 39.8171, 82.2340



37.0743, 42.8393, 100.9225



22.8756, 17.4077, 78.4991



14.3594, 15.4403, 18.3678



14.3139, 15.6898, 44.6572



1.1441, 1.3322, 3.3288

Inverse Universe

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



44.3590, 26.2969, 45.3869



51.4356, 27.6087, 48.6199



57.6515, 63.5241, 17.0091



14.7690, 14.5248, 16.9840



21.6185, 10.7816, 17.4178



1.6411, 0.8142, 1.5168

Previews

White Background



This preview shows how the XYZ color 34.0789, 39.8157, 82.2330 looks on a white background.

Color Contrast Check

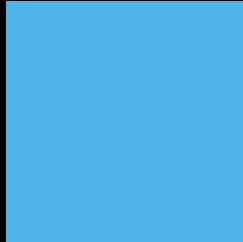
Large Text (above 18pt) WCAG AA × Fail

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 34.0789, 39.8157, 82.2330 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

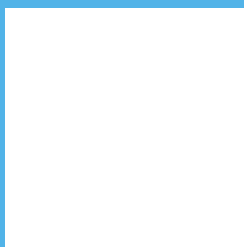
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.0789, 39.8157, 82.2330

Background



This preview shows how black text looks on a background with the XYZ color 34.0789, 39.8157, 82.2330.

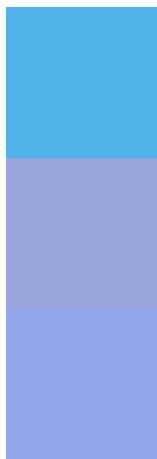


This preview shows how white text looks on a background with the XYZ color 34.0789, 39.8157,

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

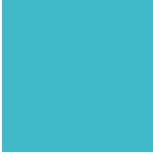
34.0789, 39.8157, 82.2330

Protanopia

39.9579, 39.3187, 74.5905

Deuteranopia

40.4857, 39.3816, 84.0648



Tritanopia

29.8886, 39.9580, 60.7810

Trichromacy



Original Color

34.0789, 39.8157, 82.2330

Protanomaly

37.0428, 39.1288, 77.5518

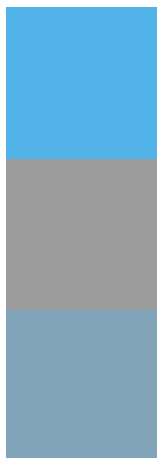
Deuteranomaly

37.4402, 39.2039, 83.4357

Tritanomaly

31.3429, 39.9225, 68.3412

Monochromacy



Original Color

34.0789, 39.8157, 82.2330

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.9804, 34.6787, 50.4082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0789, 39.8157, 82.2330 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(81, 179, 232)` looks like.

```
.text, #text, p{  
    color:rgb(81, 179, 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(81, 179, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 179, 232) }
```

Border

The CSS property to change the border of an element to XYZ 34.0789, 39.8157, 82.2330 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(81, 179, 232) }
```


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

```
.border{ border-color:rgb(81, 179, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 179, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 179, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 179, 232);  
box-shadow:4px 4px 4px 4px rgb(81, 179,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0789, 39.8157, 82.2330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 179, 232) }
```

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

```
.background{ background-color: rgb(81, 179,  
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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