

Converting Colors

XYZ(33.8477, 39.5090, 81.5658)

Have a look what the booklet for
XYZ(33.8477, 39.5090, 81.5658)
contains.

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Color

**XYZ(33.7375, 39.3596,
81.4203)**

Conversions

Conversions Part 1

Format	Color
Hex	51B2E7
RGB	81, 178, 231
RGB Percent	32%, 70%, 91%
CMY	0.6823, 0.3020, 0.0941
CMYK	0.65, 0.23, 0.00, 0.09
HSL	201°, 76%, 61%
HSV	201°, 65%, 91%
XYZ	33.7375, 39.3596, 81.4203
YIQ	155.0390, -74.8250, -4.0810

Conversions

Conversions Part 2

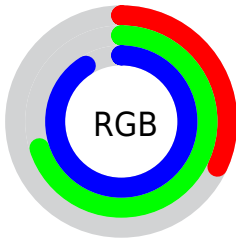
Format	Color
R_{YB}	81, 140, 231
Decimal	5354215
CIE _{Lab}	69.01, -12.41, -34.96
CIE _{LCh}	69, 37.098, 250.463
Yxy	39.3596, 0.2183, 0.2547
Android (android.graphics.Color)	4283544295 (0xFF51B2E7)
YUV	155.0390, 37.4488, -64.9322
Hunter-Lab	62.7372, -13.8002, -33.0304

Details

The XYZ color **33.7375, 39.3596, 81.4203** 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 **42.9669, 34.6354, 12.2069**, and the grayscale version is **31.0378, 32.6541, 35.5604**.

A 20% lighter version of the original color is **58.9744, 71.9949, 105.3959**, and **15.0715, 17.7624, 43.1916** is the 20% darker color. If you saturate the color by 10%, you get **30.5083, 35.3559, 80.8185**, and if you desaturate by 10%, it is **37.7391, 43.9063, 82.0878**.

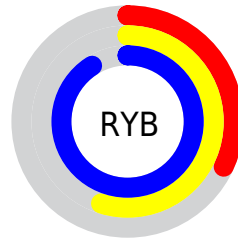
Distribution



Red (32%)

Green (70%)

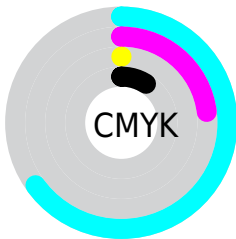
Blue (91%)



Red (32%)

Yellow (55%)

Blue (91%)

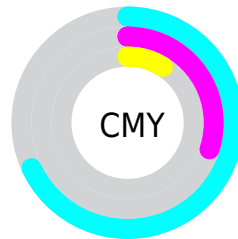


Cyan (65%)

Magenta (23%)

Yellow (0%)

Black (9%)



Cyan (68%)

Magenta (30%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7375, 39.3596, 81.4203 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 33.7375, 39.3596, 81.4203 by changing the saturation by 10% instead.

■ 33.7375, 39.3596,
81.4203

■ 33.7375, 39.3596,
81.4203

310.5665,
343.4169, 519.5390

■ 22.8539, 27.0396,
60.3548

■ 64.8723, 74.1873,
137.1901

■ 14.6058, 17.6030,
43.2775

■ 85.8542, 97.4639,
172.7316

■ 8.6277, 10.6653,
29.7699

■ 110.9329,
125.1613, 213.9354

■ 4.5543, 5.8423,
19.4134

■ 140.4738,
157.6642, 261.2201

■ 2.0203, 2.7494,
11.7896

174.8423,
195.3568, 315.0043

■ 0.6453, 1.0023,
6.4798

214.4037,

■ 0.0000, 0.0000,

238.6235, 375.7064

3.0655

259.5233,
287.8487, 443.7452

■ 0.0000, 0.0000,
1.1282

■ 0.0000, 0.0000,
0.0000

■ 33.7375, 39.3596,
81.4203

■ 33.7375, 39.3596,
81.4203

■ 30.5083, 35.3559,
80.8185

■ 37.7391, 43.9063,
82.0878

■ 27.9742, 31.8509,
80.2755


■ 42.5720, 49.0268,
82.8214


■ 26.0473, 28.7973,
79.7877


■ 48.2940, 54.7539,
83.6253


■ 25.2314, 27.3845,
79.5580


■ 54.9558, 61.1159,
84.5021

 62.6044, 68.1395,
85.4547

 71.2834, 75.8492,
86.4854

 81.0336, 84.2682,
87.5965

 87.8045, 91.3106,
88.5990

 90.3058, 96.3132,
89.4328

Harmonies

Analogous

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



29.4141, 39.3596, 67.6322



33.7375, 39.3596, 81.4203



39.5117, 39.3596, 83.4815

Triad

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



33.7375, 39.3596, 81.4203



49.7330, 39.3596, 37.2140



30.5103, 39.3596, 22.5593

Complementary

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



33.7375, 39.3596, 81.4203



42.9669, 34.6354, 12.2069

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.



35.3844, 39.3596, 18.1598



33.7375, 39.3596, 81.4203



46.7380, 39.3596, 25.0170

Square

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



33.7375, 39.3596, 81.4203



49.1725, 39.3596, 54.6854



41.3400, 39.3596, 18.9219



27.6911, 39.3596, 32.8686

Rectangle

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



33.7375, 39.3596, 81.4203



43.4713, 39.3596, 77.4694



41.3400, 39.3596, 18.9219



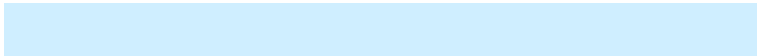
31.9402, 39.3596, 20.4811

Sweetspot

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



33.7389, 39.3610, 81.4213



74.1963, 81.5002, 106.4283



36.2389, 60.6096, 32.1628



15.2968, 16.9066, 22.7070



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.



33.7389, 39.3610, 81.4213



36.9770, 42.6446, 100.8901



22.7189, 17.3210, 77.7479



14.3565, 15.4344, 18.3668



14.2659, 15.5939, 44.6412



1.1408, 1.3256, 3.3277

Inverse Universe

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



43.9345, 26.0896, 44.8409



51.3865, 27.5890, 48.3611



57.1193, 62.9403, 16.9244



14.7675, 14.5242, 16.9763



21.5943, 10.7719, 17.2903



1.6395, 0.8135, 1.5080

Previews

White Background



This preview shows how the XYZ color 33.7375, 39.3596, 81.4203 looks on a white background.

Color Contrast Check

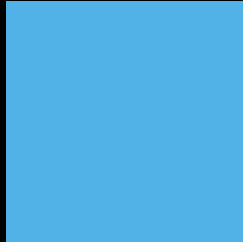
Large Text (above 18pt) WCAG AA × Fail

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 33.7375, 39.3596, 81.4203 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

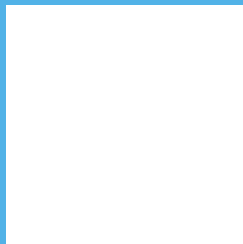
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7375, 39.3596, 81.4203

Background



This preview shows how black text looks on a background with the XYZ color 33.7375, 39.3596, 81.4203.

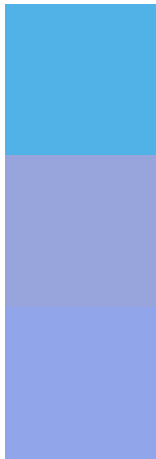


This preview shows how white text looks on a background with the XYZ color 33.7375, 39.3596,

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

33.7375, 39.3596, 81.4203

Protanopia

39.4552, 38.8061, 73.8174

Deuteranopia

39.9835, 38.8705, 83.2373



Tritanopia

29.5636, 39.4945, 60.0979

Trichromacy



Original Color

33.7375, 39.3596, 81.4203

Protanomaly

36.5695, 38.6213, 76.7614

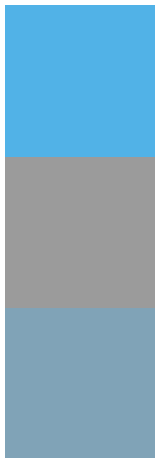
Deuteranomaly

37.1087, 38.7702, 82.6184

Tritanomaly

31.0116, 39.4611, 67.6103

Monochromacy



Original Color

33.7375, 39.3596, 81.4203

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.5465, 34.2025, 49.7915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7375, 39.3596, 81.4203 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, 178, 231)` looks like.

```
.text, #text, p{  
    color:rgb(81, 178, 231)  
}
```

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, 178, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 178, 231) }
```

Border

The CSS property to change the border of an element to XYZ 33.7375, 39.3596, 81.4203 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, 178, 231) }
```


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

```
.border{ border-color:rgb(81, 178, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 178, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 178, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 178, 231);  
box-shadow:4px 4px 4px 4px rgb(81, 178,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7375, 39.3596, 81.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 178, 231) }
```

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

```
.background{ background-color: rgb(81, 178,  
231) }
```

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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