

Converting Colors

XYZ(32.9485, 39.2148, 83.3311)

Have a look what the booklet for
XYZ(32.9485, 39.2148, 83.3311)
contains.

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Color

**XYZ(33.0213, 39.2375,
83.6751)**

Conversions

Conversions Part 1

Format	Color
Hex	3FB3EA
RGB	63, 179, 234
RGB Percent	25%, 70%, 92%
CMY	0.7529, 0.2980, 0.0823
CMYK	0.73, 0.24, 0.00, 0.08
HSL	199°, 80%, 58%
HSV	199°, 73%, 92%
XYZ	33.0213, 39.2375, 83.6751
YIQ	150.5860, -86.7910, -7.4870

Conversions

Conversions Part 2

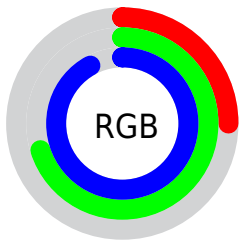
Format	Color
RYB	63, 132, 234
Decimal	4174826
CIELab	68.92, -14.55, -36.77
CIElCh	69, 39.548, 248.413
Yxy	39.2375, 0.2118, 0.2516
Android (android.graphics.Color)	4282364906 (0xFF3FB3EA)
YUV	150.5860, 41.1231, -76.8129
Hunter-Lab	62.6398, -15.5214, -35.3524

Details

The XYZ color **33.0213, 39.2375, 83.6751** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **41.3093, 30.8110, 8.4743**, and the grayscale version is **29.0974, 30.6127, 33.3372**.

A 20% lighter version of the original color is **57.1184, 71.4620, 105.3908**, and **15.4967, 18.1361, 44.8033** is the 20% darker color. If you saturate the color by 10%, you get **30.3644, 35.6898, 83.1311**, and if you desaturate by 10%, it is **36.3978, 43.2798, 84.2782**.

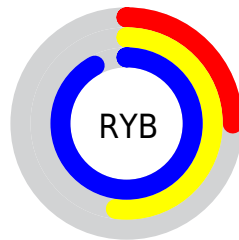
Distribution



Red (25%)

Green (70%)

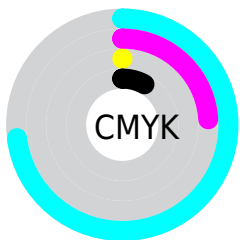
Blue (92%)



Red (25%)

Yellow (52%)

Blue (92%)

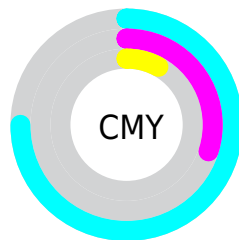


Cyan (73%)

Magenta (24%)

Yellow (0%)

Black (8%)



Cyan (75%)

Magenta (30%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0213, 39.2375, 83.6751 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 33.0213, 39.2375, 83.6751 by changing the saturation by 10% instead.

■ 33.0213, 39.2375,
83.6751

■ 33.0213, 39.2375,
83.6751

307.4090,
342.8992, 527.2635

■ 22.3021, 26.9445,
62.2034

■ 63.7632, 74.0010,
140.3783

■ 14.1969, 17.5316,
44.7602

■ 84.5167, 97.2403,
176.4468

■ 8.3403, 10.6142,
30.9270

■ 109.3455,
124.8972, 218.2181

■ 4.3671, 5.8081,
20.2853

■ 138.6152,
157.3561, 266.1105

■ 1.9118, 2.7287,
12.4165

172.6910,
195.0013, 320.5428

■ 0.5837, 0.9918,
6.9020

211.9384,

■ 0.0000, 0.0000,

238.2173, 381.9333

3.3234

256.7226,
287.3885, 450.7007

■ 0.0000, 0.0000,
1.2620

■ 0.0000, 0.0000,
0.0304

■ 33.0213, 39.2375,
83.6751

■ 33.0213, 39.2375,
83.6751

■ 30.3644, 35.6898,
83.1311

■ 36.3978, 43.2798,
84.2782


■ 28.3351, 32.5853,
82.6389


■ 40.5627, 47.8519,
84.9412


■ 27.2039, 30.6456,
82.3241


■ 45.5805, 52.9897,
85.6684


■ 51.5078, 58.7242,
86.4629

 58.3958, 65.0835,
87.3273

 66.2919, 72.0937,
88.2642

 75.2401, 79.7793,
89.2761

 85.2818, 88.1633,
90.3651

 89.2734, 93.5646,
91.1973

Harmonies

Analogous

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



28.6019, 39.2375, 68.0442



33.0213, 39.2375, 83.6751



39.0908, 39.2375, 86.9342

Triad

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



33.0213, 39.2375, 83.6751



50.5753, 39.2375, 37.8554



30.2765, 39.2375, 20.9334

Complementary

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



33.0213, 39.2375, 83.6751



41.3093, 30.8110, 8.4743

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.



35.5533, 39.2375, 16.8124



33.0213, 39.2375, 83.6751



47.5899, 39.2375, 24.6213

Square

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



33.0213, 39.2375, 83.6751



49.7011, 39.2375, 56.7670



41.9204, 39.2375, 17.9405



27.1455, 39.2375, 31.2103

Rectangle

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



33.0213, 39.2375, 83.6751



43.3465, 39.2375, 80.9775



41.9204, 39.2375, 17.9405



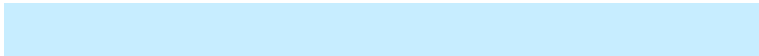
31.8330, 39.2375, 18.9353

Sweetspot

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



33.0227, 39.2389, 83.6761



71.8479, 79.8910, 106.2415



34.6940, 61.1915, 26.8611



14.8579, 16.6283, 22.6764



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.



33.0227, 39.2389, 83.6761



35.4998, 41.2985, 100.7081



20.9369, 15.0673, 79.6475



15.0855, 16.2575, 19.2652



15.4057, 17.4583, 46.3008



1.2961, 1.5437, 3.6645

Inverse Universe

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



43.8471, 24.3037, 45.0291



50.2483, 25.6307, 47.0013



56.1037, 60.3998, 13.4058



15.4967, 15.2265, 17.9011



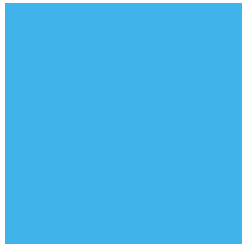
22.6314, 11.2552, 19.6579



1.8207, 0.9012, 1.7733

Previews

White Background



This preview shows how the XYZ color 33.0213, 39.2375, 83.6751 looks on a white background.

Color Contrast Check

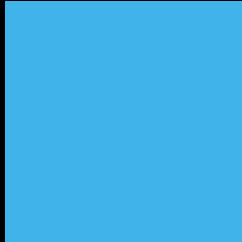
Large Text (above 18pt) WCAG AA × Fail

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 33.0213, 39.2375, 83.6751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

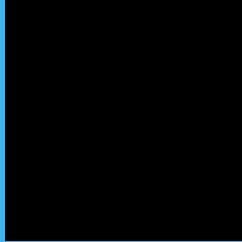
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

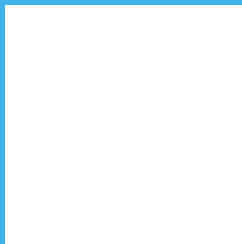
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0213, 39.2375, 83.6751

Background



This preview shows how black text looks on a background with the XYZ color 33.0213, 39.2375, 83.6751.

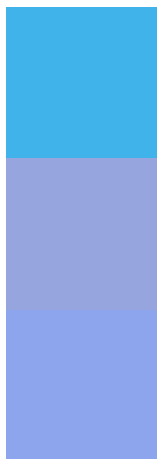


This preview shows how white text looks on a background with the XYZ color 33.0213, 39.2375,

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

33.0213, 39.2375, 83.6751

Protanopia

39.5369, 38.8173, 75.2207

Deuteranopia

39.7257, 38.6874, 85.4944



Tritanopia

28.4015, 39.1914, 60.7114

Trichromacy



Original Color

33.0213, 39.2375, 83.6751

Protanomaly

35.8476, 38.2174, 78.1604

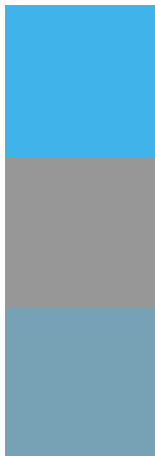
Deuteranomaly

36.3251, 38.3163, 84.8381

Tritanomaly

29.8559, 39.1559, 68.2716

Monochromacy



Original Color

33.0213, 39.2375, 83.6751

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.6931, 32.7479, 48.5247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0213, 39.2375, 83.6751 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(63, 179, 234)` looks like.

```
.text, #text, p{  
    color:rgb(63, 179, 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(63, 179, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 179, 234) }
```

Border

The CSS property to change the border of an element to XYZ 33.0213, 39.2375, 83.6751 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(63, 179, 234) }
```


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

```
.border{ border-color:rgb(63, 179, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 179, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 179, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 179, 234);  
box-shadow:4px 4px 4px 4px rgb(63, 179,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0213, 39.2375, 83.6751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 179, 234) }
```

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

```
.background{ background-color: rgb(63, 179,  
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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