

Converting Colors

XYZ(33.8129, 40.6014, 82.4359)

Have a look what the booklet for
XYZ(33.8129, 40.6014, 82.4359)
contains.

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Color

**XYZ(33.8192, 40.5842,
82.3950)**

Conversions

Conversions Part 1

Format	Color
Hex	46B6E8
RGB	70, 182, 232
RGB Percent	27%, 71%, 91%
CMY	0.7255, 0.2863, 0.0902
CMYK	0.70, 0.22, 0.00, 0.09
HSL	199°, 78%, 59%
HSV	199°, 70%, 91%
XYZ	33.8192, 40.5842, 82.3950
YIQ	154.2120, -82.8020, -8.1940

Conversions

Conversions Part 2

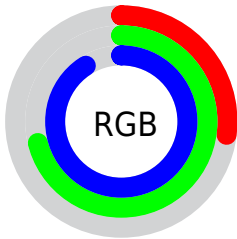
Format	Color
R_{YB}	70, 136, 232
Decimal	4634344
CIE _{Lab}	69.88, -15.88, -34.18
CIE _{LCh}	70, 37.689, 245.077
Yxy	40.5842, 0.2157, 0.2588
Android (android.graphics.Color)	4282824424 (0xFF46B6E8)
YUV	154.2120, 38.3495, -73.8539
Hunter-Lab	63.7057, -16.7255, -32.0898

Details

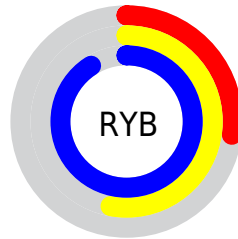
The XYZ color **33.8192, 40.5842, 82.3950** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **41.1023, 31.0333, 9.6197**, and the grayscale version is **30.6729, 32.2703, 35.1423**.

A 20% lighter version of the original color is **58.7779, 73.6033, 105.7167**, and **15.6867, 18.8351, 43.8831** is the 20% darker color. If you saturate the color by 10%, you get **31.0284, 37.0245, 81.8558**, and if you desaturate by 10%, it is **37.3338, 44.6298, 82.9914**.

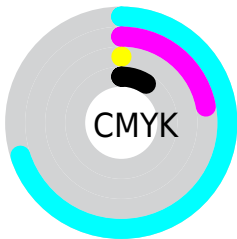
Distribution



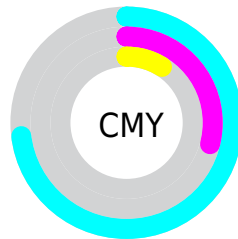
- Red (27%)
- Green (71%)
- Blue (91%)



- Red (27%)
- Yellow (53%)
- Blue (91%)



- Cyan (70%)
- Magenta (22%)
- Yellow (0%)
- Black (9%)



- Cyan (73%)
- Magenta (29%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8192, 40.5842, 82.3950 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 33.8192, 40.5842, 82.3950 by changing the saturation by 10% instead.

■ 33.8192, 40.5842,
82.3950

■ 33.8192, 40.5842,
82.3950

310.9252,
348.5798, 522.8861

■ 22.9170, 27.9943,
61.1535

■ 64.9986, 76.0523,
138.5694

■ 14.6526, 18.3214,
43.9177

■ 86.0064, 99.6993,
174.3394

■ 8.6606, 11.1810,
30.2691

■ 111.1135,
127.8008, 215.7893

■ 4.5758, 6.1887,
19.7891

■ 140.6852,
160.7412, 263.3376

■ 2.0328, 2.9602,
12.0593

175.0869,
198.9049, 317.4029

■ 0.6523, 1.1110,
6.6610

214.6839,

■ 0.0000, 0.0000,

242.6763, 378.4037

3.1758

259.8416,
292.4398, 446.7586

■ 0.0000, 0.0000,
1.1851

■ 0.0000, 0.0000,
0.0000

■ 33.8192, 40.5842,
82.3950

■ 33.8192, 40.5842,
82.3950

■ 31.0284, 37.0245,
81.8558

■ 37.3338, 44.6298,
82.9914

■ 28.8769, 33.9033,
81.3668


■ 41.6358, 49.1936,
83.6456


■ 27.2320, 31.1513,
80.9223


■ 46.7858, 54.3090,
84.3615

■ 27.2049, 31.1047,
80.9147


■ 52.8373, 60.0053,
85.1421

 59.8390, 66.3089,
85.9898

 67.8359, 73.2447,
86.9070

 76.8703, 80.8359,
87.8961

 86.7566, 88.9881,
88.9486

 88.8981, 93.2712,
89.6624

Harmonies

Analogous

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



29.7132, 40.5842, 66.5541



33.8192, 40.5842, 82.3950



39.6260, 40.5842, 87.0394

Triad

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



33.8192, 40.5842, 82.3950



51.5398, 40.5842, 41.2703



32.1919, 40.5842, 21.9282

Complementary

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



33.8192, 40.5842, 82.3950



41.1023, 31.0333, 9.6197

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.



37.5409, 40.5842, 18.3807



33.8192, 40.5842, 82.3950



49.0416, 40.5842, 27.4968

Square

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



33.8192, 40.5842, 82.3950



50.2753, 40.5842, 59.9878



43.7549, 40.5842, 20.1095



28.8458, 40.5842, 31.4410

Rectangle

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



33.8192, 40.5842, 82.3950



43.7860, 40.5842, 82.3372



43.7549, 40.5842, 20.1095



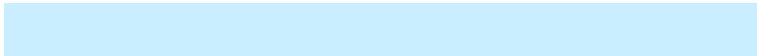
33.7930, 40.5842, 20.1321

Sweetspot

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



33.8206, 40.5856, 82.3960



72.9706, 81.1241, 106.4203



34.6896, 60.3388, 27.1475



15.0866, 16.8892, 22.7147



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.



33.8206, 40.5856, 82.3960



37.1298, 44.0340, 101.1502



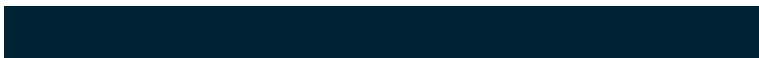
21.8837, 16.7119, 78.4170



14.4124, 15.5463, 18.3854



15.2196, 17.5013, 44.9591



1.2062, 1.4564, 3.3495

Inverse Universe

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



43.9136, 24.9150, 46.7519



51.1991, 26.5013, 50.4967



54.9473, 58.7231, 14.2346



14.7958, 14.5355, 17.1249



22.0757, 10.9645, 19.8253



1.6725, 0.8267, 1.6818

Previews

White Background



This preview shows how the XYZ color 33.8192, 40.5842, 82.3950 looks on a white background.

Color Contrast Check

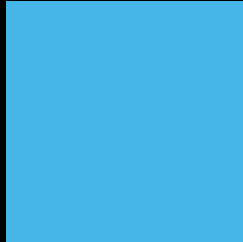
Large Text (above 18pt) WCAG AA × Fail

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 33.8192, 40.5842, 82.3950 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 33.8192, 40.5842, 82.3950

Background



This preview shows how black text looks on a background with the XYZ color 33.8192, 40.5842, 82.3950.

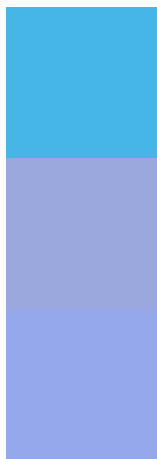


This preview shows how white text looks on a background with the XYZ color 33.8192, 40.5842,

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

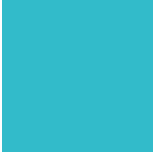
33.8192, 40.5842, 82.3950

Protanopia

40.5713, 40.1943, 74.0265

Deuteranopia

41.2108, 40.2993, 84.2038



Tritanopia

29.7464, 40.4830, 62.1233

Trichromacy



Original Color

33.8192, 40.5842, 82.3950

Protanomaly

36.8464, 39.6085, 76.9374

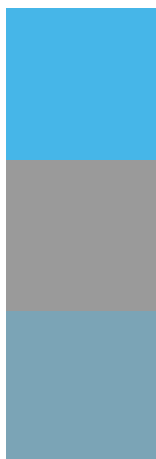
Deuteranomaly

37.5406, 39.8207, 83.5495

Tritanomaly

31.0465, 40.3719, 69.1070

Monochromacy



Original Color

33.8192, 40.5842, 82.3950

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.8873, 34.1393, 49.2703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8192, 40.5842, 82.3950 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(70, 182, 232)` looks like.

```
.text, #text, p{  
    color:rgb(70, 182, 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(70, 182, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 182, 232) }
```

Border

The CSS property to change the border of an element to XYZ 33.8192, 40.5842, 82.3950 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(70, 182, 232) }
```


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

```
.border{ border-color:rgb(70, 182, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 182, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 182, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 182, 232);  
box-shadow:4px 4px 4px 4px rgb(70, 182,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8192, 40.5842, 82.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 182, 232) }
```

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

```
.background{ background-color: rgb(70, 182,  
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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