

Converting Colors

XYZ(26.7271, 36.9317, 85.1771)

Have a look what the booklet for
XYZ(26.7271, 36.9317, 85.1771)
contains.

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Color

**XYZ(31.8683, 39.5120,
85.3038)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6EC
RGB	0, 182, 236
RGB Percent	0%, 71%, 93%
CMY	0.9997, 0.2863, 0.0745
CMYK	1.00, 0.23, 0.00, 0.07
HSL	194°, 100%, 46%
HSV	194°, 100%, 93%
XYZ	31.8683, 39.5120, 85.3038
YIQ	133.7380, -125.8060, -21.7900

Conversions

Conversions Part 2

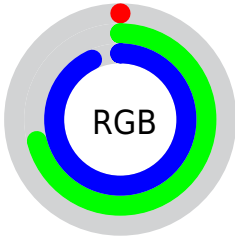
Format	Color
RYB	0, 103, 236
Decimal	46828
CIELab	69.12, -19.54, -37.61
CIELCh	69, 42.387, 242.547
Yxy	39.5120, 0.2034, 0.2522
Android (android.graphics.Color)	4278236908 (0xFF00B6EC)
YUV	133.7380, 50.4152, -117.2882
Hunter-Lab	62.8586, -19.5058, -36.4600

Details

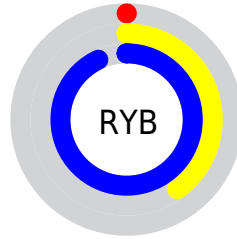
The XYZ color **31.8683, 39.5120, 85.3038** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **35.9151, 20.4779, 2.0617**, and the grayscale version is **22.4260, 23.5939, 25.6937**.

A 20% lighter version of the original color is **54.9312, 71.6203, 105.5367**, and **16.0885, 18.9958, 45.9986** is the 20% darker color. If you saturate the color by 10%, you get **31.8656, 39.5064, 85.3037**, and if you desaturate by 10%, it is **33.3654, 41.9584, 85.6979**.

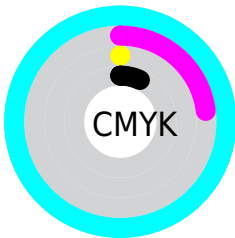
Distribution



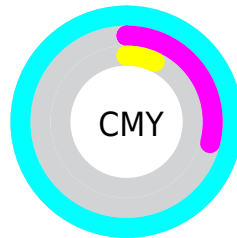
- Red (0%)
- Green (71%)
- Blue (93%)



- Red (0%)
- Yellow (40%)
- Blue (93%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8683, 39.5120, 85.3038 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 31.8683, 39.5120, 85.3038 by changing the saturation by 10% instead.

■ 31.8683, 39.5120,
85.3038

■ 31.8683, 39.5120,
85.3038

302.2748,
344.0624, 532.8036

■ 21.4160, 27.1583,
63.5408

■ 61.9712, 74.4198,
142.6755

■ 13.5426, 17.6921,
45.8351

■ 82.3524, 97.7427,
179.1213

■ 7.8828, 10.7292,
31.7680

■ 106.7740,
125.4908, 221.2984

■ 4.0712, 5.8850,
20.9210

■ 135.6013,
158.0484, 269.6255

■ 1.7425, 2.7753,
12.8756

■ 169.1997,
195.8000, 324.5210

■ 0.4827, 1.0156,
7.2132

207.9345,

■ 0.0000, 0.0000,

239.1299, 386.4035

3.5153

252.1711,
288.4226, 455.6915

■ 0.0000, 0.0000,
1.3634

■ 0.0000, 0.0000,
0.1129

■ 31.8683, 39.5120,
85.3038

■ 31.8683, 39.5120,
85.3038

■ 31.8656, 39.5064,
85.3037

■ 33.3654, 41.9584,
85.6979

■ 35.3521, 44.7207,
86.1264

■ 37.9707, 47.8735,
86.5969

■ 41.3046, 51.4603,
87.1135

■ 45.4239, 55.5181,
87.6796

■ 50.3899, 60.0792,
88.2983

■ 56.2577, 65.1724,
88.9721

■ 63.0775, 70.8245,
89.7036

■ 70.8959, 77.0599,
90.4951

Harmonies

Analogous

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



27.6169, 39.5120, 66.3545



31.8683, 39.5120, 85.3038



38.1365, 39.5120, 92.0407

Triad

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



31.8683, 39.5120, 85.3038



52.1167, 39.5120, 41.3862



30.9786, 39.5120, 18.6286

Complementary

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



31.8683, 39.5120, 85.3038



35.9151, 20.4779, 2.0617

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.



36.9794, 39.5120, 15.4934



31.8683, 39.5120, 85.3038



49.6300, 39.5120, 25.9217

Square

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



31.8683, 39.5120, 85.3038



50.3299, 39.5120, 62.5969



43.8808, 39.5120, 17.6964



27.1483, 39.5120, 28.0233

Rectangle

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



31.8683, 39.5120, 85.3038



42.7703, 39.5120, 87.4495



43.8808, 39.5120, 17.6964



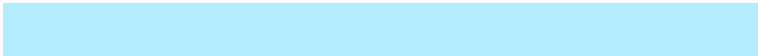
32.7818, 39.5120, 16.9611

Sweetspot

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



31.8697, 39.5133, 85.3048



66.9516, 77.5973, 106.0568



30.5983, 60.2326, 13.1671



13.6691, 16.0427, 22.6261



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.



31.8697, 39.5133, 85.3048



37.9339, 46.9878, 101.6780



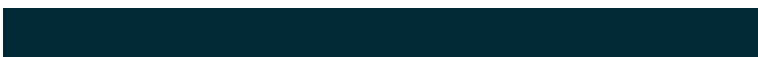
17.1435, 10.0610, 80.3961



15.2084, 16.5032, 19.3061



17.6671, 21.9813, 47.0546



1.4585, 1.8684, 3.7186

Inverse Universe

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



43.0369, 21.2120, 46.0831



51.2765, 25.2746, 54.7813



48.8094, 46.2663, 6.3597



15.5587, 15.2513, 18.2276



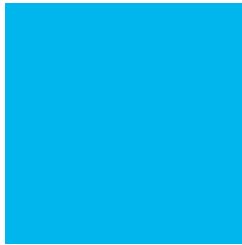
23.7728, 11.7118, 25.6689



1.9027, 0.9340, 2.2048

Previews

White Background



This preview shows how the XYZ color 31.8683, 39.5120, 85.3038 looks on a white background.

Color Contrast Check

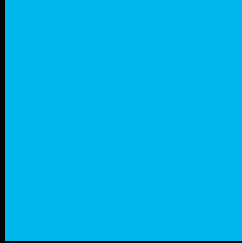
Large Text (above 18pt) WCAG AA × Fail

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 31.8683, 39.5120, 85.3038 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 31.8683, 39.5120, 85.3038

Background



This preview shows how black text looks on a background with the XYZ color 31.8683, 39.5120, 85.3038.

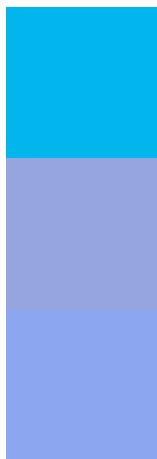


This preview shows how white text looks on a background with the XYZ color 31.8683, 39.5120,

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

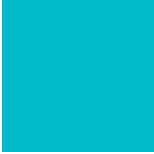
31.8683, 39.5120, 85.3038

Protanopia

39.5369, 38.8173, 75.2207

Deuteranopia

40.1796, 39.1392, 87.8750



Tritanopia

28.1015, 39.3349, 61.3696

Trichromacy



Original Color

31.8683, 39.5120, 85.3038

Protanomaly

33.3904, 37.2141, 78.8220

Deuteranomaly

34.4523, 37.8609, 87.1534

Tritanomaly

29.4866, 39.5530, 69.6987

Monochromacy



Original Color

31.8683, 39.5120, 85.3038

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.1636, 27.0048, 42.5724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8683, 39.5120, 85.3038 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(0, 182, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 236)  
}
```

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(0, 182, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 236) }
```

Border

The CSS property to change the border of an element to XYZ 31.8683, 39.5120, 85.3038 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(0, 182, 236) }
```


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

```
.border{ border-color:rgb(0, 182, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8683, 39.5120, 85.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 236) }
```

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

```
.background{ background-color: rgb(0, 182,  
236) }
```

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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