

Converting Colors

XYZ(31.9130, 39.3333, 86.1458)

Have a look what the booklet for
XYZ(31.9130, 39.3333, 86.1458)
contains.

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Color

**XYZ(31.8099, 39.1622,
86.0033)**

Conversions

Conversions Part 1

Format	Color
Hex	00B5ED
RGB	0, 181, 237
RGB Percent	0%, 71%, 93%
CMY	0.9998, 0.2902, 0.0706
CMYK	1.00, 0.24, 0.00, 0.07
HSL	194°, 100%, 46%
HSV	194°, 100%, 93%
XYZ	31.8099, 39.1622, 86.0033
YIQ	133.2650, -125.8520, -20.9560

Conversions

Conversions Part 2

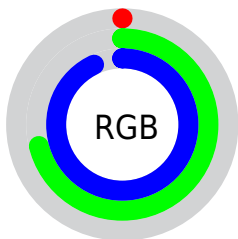
Format	Color
RYB	0, 103, 237
Decimal	46573
CIELab	68.87, -18.67, -38.55
CIELCh	69, 42.833, 244.162
Yxy	39.1622, 0.2026, 0.2495
Android (android.graphics.Color)	4278236653 (0xFF00B5ED)
YUV	133.2650, 51.1414, -116.8734
Hunter-Lab	62.5797, -18.7811, -37.6765

Details

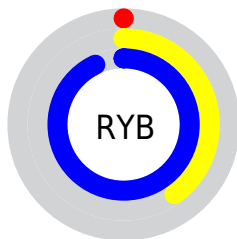
The XYZ color **31.8099, 39.1622, 86.0033** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **36.3427, 20.8388, 2.1085**, and the grayscale version is **22.2500, 23.4088, 25.4922**.

A 20% lighter version of the original color is **54.6409, 71.0396, 105.4399**, and **16.0597, 18.7745, 46.4935** is the 20% darker color. If you saturate the color by 10%, you get **31.8077, 39.1575, 86.0033**, and if you desaturate by 10%, it is **33.3435, 41.6784, 86.4089**.

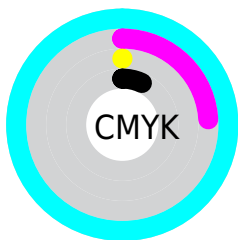
Distribution



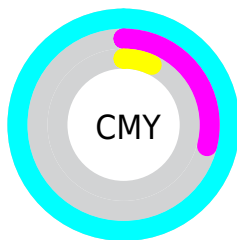
- Red (0%)
- Green (71%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8099, 39.1622, 86.0033 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 31.8099, 39.1622, 86.0033 by changing the saturation by 10% instead.

31.8099, 39.1622,
86.0033

31.8099, 39.1622,
86.0033

302.0131,
342.5796, 535.1730

21.3712, 26.8859,
64.1158

61.8802, 73.8860,
143.6607

13.5096, 17.4876,
46.2977

82.2424, 97.1024,
180.2676

7.8598, 10.5827,
32.1304

106.6432,
124.7342, 222.6181

4.0564, 5.7870,
21.1955

135.4479,
157.1660, 271.1307

1.7341, 2.7160,
13.0743

169.0219,
194.7820, 326.2240

0.4775, 0.9853,
7.3484

207.7306,

0.0000, 0.0000,

237.9667, 388.3164

3.5992

251.9391,
287.1044, 457.8266

■ 0.0000, 0.0000,
1.4082

■ 0.0000, 0.0000,
0.1481

■ 31.8099, 39.1622,
86.0033

■ 31.8099, 39.1622,
86.0033

■ 31.8077, 39.1575,
86.0033

■ 33.3435, 41.6784,
86.4089

■ 35.3744, 44.5191,
86.8502

■ 38.0462, 47.7597,
87.3349

■ 41.4432, 51.4444,
87.8671

■ 45.6362, 55.6105,
88.4502

■ 50.6873, 60.2907,
89.0874

■ 56.6523, 65.5144,
89.7813

■ 63.5819, 71.3086,
90.5344

■ 71.5231, 77.6982,
91.3492

Harmonies

Analogous

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



27.4178, 39.1622, 67.3146



31.8099, 39.1622, 86.0033



38.1796, 39.1622, 91.9535

Triad

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



31.8099, 39.1622, 86.0033



51.8454, 39.1622, 39.9803



30.3524, 39.1622, 18.5551

Complementary

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



31.8099, 39.1622, 86.0033



36.3427, 20.8388, 2.1085

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.



36.2815, 39.1622, 15.1360



31.8099, 39.1622, 86.0033



49.1236, 39.1622, 24.8804

Square

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



31.8099, 39.1622, 86.0033



50.2744, 39.1622, 61.1315



43.2167, 39.1622, 17.0377



26.6510, 39.1622, 28.3146

Rectangle

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



31.8099, 39.1622, 86.0033



42.8351, 39.1622, 86.7440



43.2167, 39.1622, 17.0377



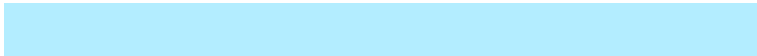
32.1229, 39.1622, 16.7879

Sweetspot

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



31.8113, 39.1635, 86.0043



66.7861, 77.2663, 106.0016



30.9831, 60.8485, 13.7699



13.6292, 15.9630, 22.6128



0.0000, 0.0000, 0.0000



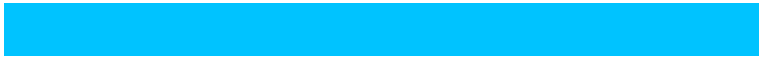
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.8113, 39.1635, 86.0043



37.5054, 46.1309, 101.5351



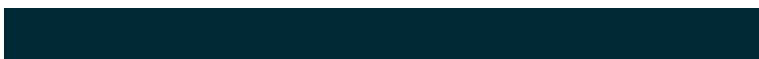
17.0780, 9.6969, 81.0932



15.1985, 16.4833, 19.3028



17.4716, 21.5901, 46.9894



1.4446, 1.8407, 3.7140

Inverse Universe

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



43.2668, 21.3423, 45.5563



51.0602, 25.1881, 53.6425



50.0264, 48.2061, 6.6697



15.5537, 15.2493, 18.2012



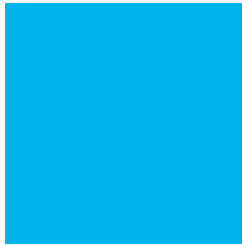
23.6741, 11.6723, 25.1491



1.8957, 0.9312, 2.1680

Previews

White Background



This preview shows how the XYZ color 31.8099, 39.1622, 86.0033 looks on a white background.

Color Contrast Check

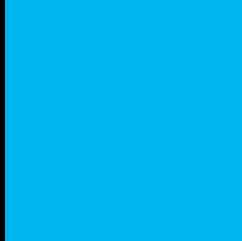
Large Text (above 18pt) WCAG AA × Fail

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 31.8099, 39.1622, 86.0033 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 31.8099, 39.1622, 86.0033

Background



This preview shows how black text looks on a background with the XYZ color 31.8099, 39.1622, 86.0033.

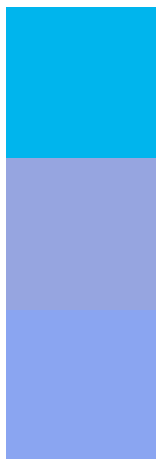


This preview shows how white text looks on a background with the XYZ color 31.8099, 39.1622,

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

31.8099, 39.1622, 86.0033

Protanopia

39.4874, 38.7761, 75.9243

Deuteranopia

39.8136, 38.6644, 88.5837



Tritanopia

27.9842, 39.2879, 60.7520

Trichromacy



Original Color

31.8099, 39.1622, 86.0033



Protanomaly

33.4251, 37.2159, 79.5504



Deuteranomaly

34.3156, 37.4918, 87.8661



Tritanomaly

29.1507, 39.0851, 68.9586

Monochromacy



Original Color

31.8099, 39.1622, 86.0033



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

22.0033, 26.6843, 42.5190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8099, 39.1622, 86.0033 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, 181, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 237)  
}
```

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, 181, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 237) }
```

Border

The CSS property to change the border of an element to XYZ 31.8099, 39.1622, 86.0033 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, 181, 237) }
```


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

```
.border{ border-color:rgb(0, 181, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8099, 39.1622, 86.0033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 237) }
```

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

```
.background{ background-color: rgb(0, 181,  
237) }
```

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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