

Converting Colors

XYZ(31.6366, 42.3402, 86.3526)

Have a look what the booklet for
XYZ(31.6366, 42.3402, 86.3526)
contains.

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Color

**XYZ(33.9169, 43.3760,
86.7056)**

Conversions

Conversions Part 1

Format	Color
Hex	00BFED
RGB	0, 191, 237
RGB Percent	0%, 75%, 93%
CMY	0.9997, 0.2510, 0.0706
CMYK	1.00, 0.19, 0.00, 0.07
HSL	192°, 100%, 46%
HSV	192°, 100%, 93%
XYZ	33.9169, 43.3760, 86.7056
YIQ	139.1350, -128.6020, -26.1860

Conversions

Conversions Part 2

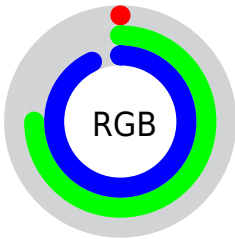
Format	Color
RYB	0, 106, 237
Decimal	49133
CIELab	71.81, -23.84, -33.98
CIELCh	72, 41.512, 234.947
Yxy	43.3760, 0.2068, 0.2645
Android (android.graphics.Color)	4278239213 (0xFF00BFED)
YUV	139.1350, 48.2474, -122.0214
Hunter-Lab	65.8605, -23.3317, -31.9532

Details

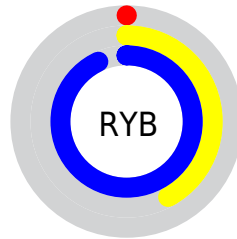
The XYZ color **33.9169, 43.3760, 86.7056** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **35.9055, 19.9642, 1.9630**, and the grayscale version is **24.4566, 25.7302, 28.0202**.

A 20% lighter version of the original color is **58.0478, 77.6698, 106.5401**, and **17.2862, 21.2275, 46.9023** is the 20% darker color. If you saturate the color by 10%, you get **33.9146, 43.3712, 86.7057**, and if you desaturate by 10%, it is **35.3081, 45.6071, 87.0638**.

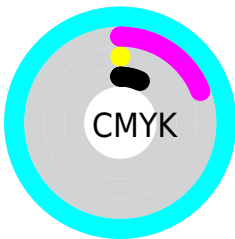
Distribution



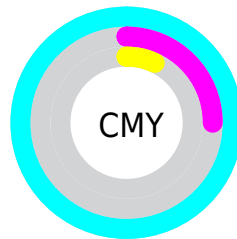
- Red (0%)
- Green (75%)
- Blue (93%)



- Red (0%)
- Yellow (42%)
- Blue (93%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9169, 43.3760, 86.7056 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 33.9169, 43.3760, 86.7056 by changing the saturation by 10% instead.

■ 33.9169, 43.3760,
86.7056

■ 33.9169, 43.3760,
86.7056

■ 311.3538,
360.1558, 537.5461

■ 22.9924, 30.1802,
64.6934

■ 65.1496, 80.2780,
144.6490

■ 14.7085, 19.9754,
46.7627

■ 86.1884, 104.7529,
181.4172

■ 8.7001, 12.3772,
32.4951

■ 111.3294,
133.7564, 223.9412

■ 4.6016, 7.0011,
21.4720

■ 140.9378,
167.6729, 272.6394

■ 2.0478, 3.4628,
13.2749

■ 175.3792,
206.8866, 327.9305

■ 0.6606, 1.3779,
7.4851

215.0187,

■ 0.0000, 0.2003,

251.7821, 390.2329

3.6843

260.2218,
302.7437, 459.9653

■ 0.0000, 0.0000,
1.4538

■ 0.0000, 0.0000,
0.1832

■ 33.9169, 43.3760,
86.7056

■ 33.9169, 43.3760,
86.7056

■ 33.9146, 43.3712,
86.7057

■ 35.3081, 45.6071,
87.0638

■ 37.1820, 48.1335,
87.4527

■ 39.6822, 51.0304,
87.8801

■ 42.8925, 54.3414,
88.3499

■ 46.8838, 58.1035,
88.8657

■ 51.7178, 62.3488,
89.4304

■ 57.4500, 67.1064,
90.0466

■ 64.1309, 72.4028,
90.7167

■ 71.8075, 78.2623,
91.4432

Harmonies

Analogous

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



30.1104, 43.3760, 65.5833



33.9169, 43.3760, 86.7056



40.0442, 43.3760, 97.4609

Triad

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



33.9169, 43.3760, 86.7056



56.2704, 43.3760, 50.7345



35.7666, 43.3760, 20.0353

Complementary

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



33.9169, 43.3760, 86.7056



35.9055, 19.9642, 1.9630

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.



42.4341, 43.3760, 18.1374



33.9169, 43.3760, 86.7056



54.7911, 43.3760, 32.6650

Square

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



33.9169, 43.3760, 86.7056



53.3594, 43.3760, 73.2409



49.5199, 43.3760, 22.0301



31.0899, 43.3760, 28.2453

Rectangle

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



33.9169, 43.3760, 86.7056



44.8263, 43.3760, 95.5873



49.5199, 43.3760, 22.0301



37.8268, 43.3760, 18.7591

Sweetspot

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



33.9184, 43.3775, 86.7067



67.7287, 79.1516, 106.3158



30.7308, 60.7477, 12.4404



13.8564, 16.4173, 22.6885



0.0000, 0.0000, 0.0000



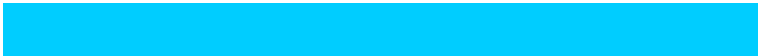
20.3446, 21.4041, 23.3091

Same Dimension

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



33.9184, 43.3775, 86.7067



39.9995, 51.1190, 102.3665



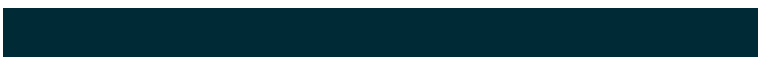
17.8098, 11.1604, 81.3372



15.2548, 16.5960, 19.3216



18.6091, 23.8652, 47.3686



1.5248, 2.0011, 3.7408

Inverse Universe

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



44.3304, 21.7679, 51.1566



52.3191, 25.6916, 60.2717



47.8414, 43.8360, 5.9417



15.5821, 15.2607, 18.3508



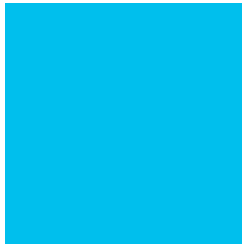
24.2483, 11.9020, 28.1727



1.9361, 0.9474, 2.3811

Previews

White Background



This preview shows how the XYZ color 33.9169, 43.3760, 86.7056 looks on a white background.

Color Contrast Check

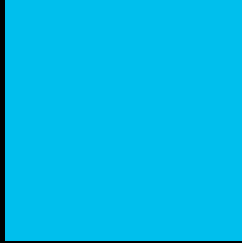
Large Text (above 18pt) WCAG AA × Fail

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 33.9169, 43.3760, 86.7056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

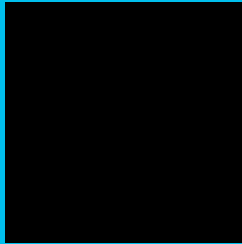
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9169, 43.3760, 86.7056

Background



This preview shows how black text looks on a background with the XYZ color 33.9169, 43.3760, 86.7056.



This preview shows how white text looks on a background with the XYZ color 33.9169, 43.3760,

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

33.9169, 43.3760, 86.7056

Protanopia

43.1631, 42.8962, 75.8169

Deuteranopia

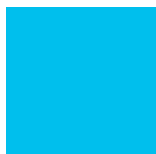
43.9576, 43.0103, 89.2041



Tritanopia

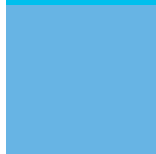
30.8004, 43.1870, 67.0342

Trichromacy



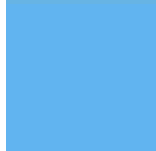
Original Color

33.9169, 43.3760, 86.7056



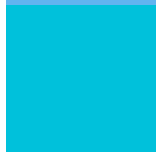
Protanomaly

35.9184, 41.1275, 79.4441



Deuteranomaly

36.9792, 41.4752, 88.4946



Tritanomaly

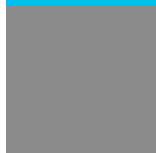
31.8561, 43.2544, 73.6878

Monochromacy



Original Color

33.9169, 43.3760, 86.7056



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

23.9892, 29.6236, 45.0110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9169, 43.3760, 86.7056 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, 191, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 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, 191, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 237) }
```

Border

The CSS property to change the border of an element to XYZ 33.9169, 43.3760, 86.7056 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, 191, 237) }
```


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

```
.border{ border-color:rgb(0, 191, 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, 191, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9169, 43.3760, 86.7056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 237) }
```

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

```
.background{ background-color: rgb(0, 191,  
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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