

Converting Colors

XYZ(33.2189, 42.5552, 84.7000)

Have a look what the booklet for
XYZ(33.2189, 42.5552, 84.7000)
contains.

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Color

**XYZ(33.1930, 42.3934,
85.0305)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00BDEB |
| RGB | 0, 189, 235 |
| RGB Percent | 0%, 74%, 92% |
| CMY | 0.9998, 0.2588, 0.0784 |
| CMYK | 1.00, 0.20, 0.00, 0.08 |
| HSL | 192°, 100%, 46% |
| HSV | 192°, 100%, 92% |
| XYZ | 33.1930, 42.3934, 85.0305 |
| YIQ | 137.7330, -127.4100, -25.7620 |

Conversions

Conversions Part 2

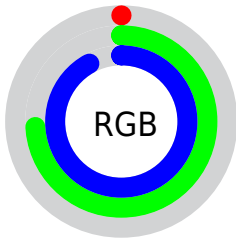
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 105, 235 |
| Decimal | 48619 |
| CIELab | 71.14, -23.50, -33.93 |
| CIELCh | 71, 41.278, 235.292 |
| Yxy | 42.3934, 0.2067, 0.2639 |
| Android (android.graphics.Color) | 4278238699 (0xFF00BDEB) |
| YUV | 137.7330, 47.9526, -120.7918 |
| Hunter-Lab | 65.1102, -22.9441, -31.8525 |

Details

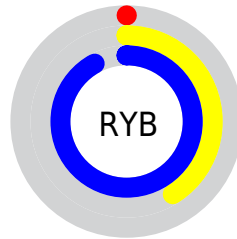
The XYZ color **33.1930, 42.3934, 85.0305** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **35.2410, 19.6212, 1.9317**, and the grayscale version is **23.9215, 25.1673, 27.4072**.

A 20% lighter version of the original color is **57.0091, 75.7760, 106.2293**, and **16.8007, 20.5826, 45.7352** is the 20% darker color. If you saturate the color by 10%, you get **33.1910, 42.3892, 85.0306**, and if you desaturate by 10%, it is **34.5656, 44.5944, 85.3838**.

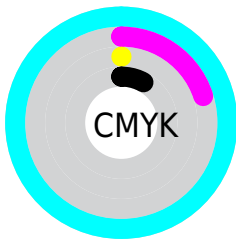
Distribution



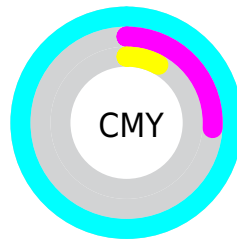
- Red (0%)
- Green (74%)
- Blue (92%)



- Red (0%)
- Yellow (41%)
- Blue (92%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (26%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1930, 42.3934, 85.0305 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 33.1930, 42.3934, 85.0305 by changing the saturation by 10% instead.

33.1930, 42.3934,
85.0305

33.1930, 42.3934,
85.0305

308.1681,
356.1111, 531.8762

22.4343, 29.4095,
63.3163

64.0294, 78.7947,
142.2903

14.2947, 19.3908,
45.6545

84.8378, 102.9808,
178.6730

8.4090, 11.9530,
31.6266

109.7268,
131.6698, 220.7823

4.4118, 6.7117,
20.8140

139.0617,
165.2460, 269.0367

1.9376, 3.2824,
12.7982

173.2080,
204.0938, 323.8547

0.5986, 1.2809,
7.1606

212.5309,

0.0000, 0.1263,

248.5977, 385.6550

3.4828

257.3958,
299.1420, 454.8560

■ 0.0000, 0.0000,
1.3461

■ 0.0000, 0.0000,
0.0991

■ 33.1930, 42.3934,
85.0305

■ 33.1930, 42.3934,
85.0305

■ 33.1910, 42.3892,
85.0306

■ 34.5656, 44.5944,
85.3838

■ 36.4116, 47.0858,
85.7674

■ 38.8722, 49.9415,
86.1890

■ 42.0296, 53.2042,
86.6523

■ 45.9530, 56.9101,
87.1608

■ 50.7029, 61.0908,
87.7174

■ 56.3338, 65.7747,
88.3247

■ 62.8952, 70.9877,
88.9851

■ 70.4329, 76.7538,
89.7008

Harmonies

Analogous

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



29.4366, 42.3934, 64.3958



33.1930, 42.3934, 85.0305



39.2130, 42.3934, 95.4061

Triad

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



33.1930, 42.3934, 85.0305



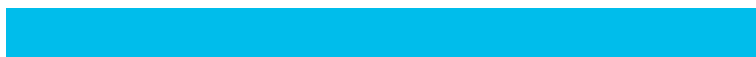
55.0362, 42.3934, 49.3530



34.8805, 42.3934, 19.5979

Complementary

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



33.1930, 42.3934, 85.0305



35.2410, 19.6212, 1.9317

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.



41.3939, 42.3934, 17.6767



33.1930, 42.3934, 85.0305



53.5376, 42.3934, 31.7383

Square

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



33.1930, 42.3934, 85.0305



52.2305, 42.3934, 71.3879



48.3410, 42.3934, 21.4154



30.3299, 42.3934, 27.7084

Rectangle

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



33.1930, 42.3934, 85.0305



43.8997, 42.3934, 93.4425



48.3410, 42.3934, 21.4154



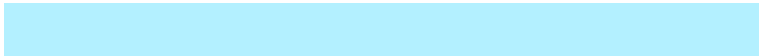
36.8907, 42.3934, 18.3272

Sweetspot

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



33.1945, 42.3949, 85.0316



67.6916, 79.0774, 106.3035



30.1479, 59.5931, 12.2121



13.8475, 16.3994, 22.6855



0.0000, 0.0000, 0.0000



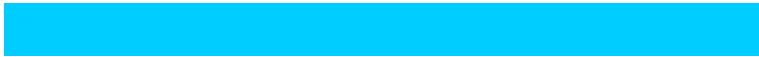
20.3446, 21.4041, 23.3091

Same Dimension

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



33.1945, 42.3949, 85.0316



39.8989, 50.9179, 102.3330



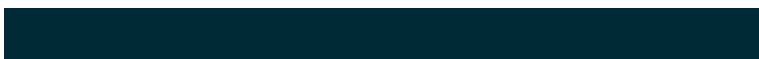
17.4759, 10.9578, 79.7920



15.2526, 16.5916, 19.3208



18.5633, 23.7736, 47.3533



1.5216, 1.9946, 3.7397

Inverse Universe

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



43.4476, 21.3379, 49.9742



52.2683, 25.6713, 60.0044



46.9374, 43.0140, 5.8304



15.5810, 15.2603, 18.3450



24.2252, 11.8928, 28.0509



1.9345, 0.9468, 2.3726

Previews

White Background



This preview shows how the XYZ color 33.1930, 42.3934, 85.0305 looks on a white background.

Color Contrast Check

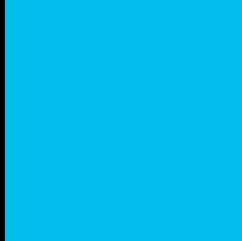
Large Text (above 18pt) WCAG AA × Fail

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 33.1930, 42.3934, 85.0305 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 33.1930, 42.3934, 85.0305

Background



This preview shows how black text looks on a background with the XYZ color 33.1930, 42.3934, 85.0305.

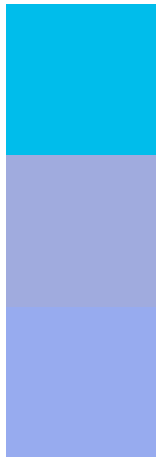


This preview shows how white text looks on a background with the XYZ color 33.1930, 42.3934,

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

33.1930, 42.3934, 85.0305

Protanopia

42.2449, 41.8733, 74.9631

Deuteranopia

42.9054, 41.9371, 87.4947



Tritanopia

30.1121, 42.2043, 65.5906

Trichromacy



Original Color

33.1930, 42.3934, 85.0305

Protanomaly

35.2650, 40.2116, 78.5760

Deuteranomaly

36.1769, 40.5006, 86.7996

Tritanomaly

31.1552, 42.2714, 72.1628

Monochromacy



Original Color

33.1930, 42.3934, 85.0305

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.6243, 29.2058, 43.9273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1930, 42.3934, 85.0305 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, 189, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 235)  
}
```

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, 189, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 235) }
```

Border

The CSS property to change the border of an element to XYZ 33.1930, 42.3934, 85.0305 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, 189, 235) }
```


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

```
.border{ border-color:rgb(0, 189, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1930, 42.3934, 85.0305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 235) }
```

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

```
.background{ background-color: rgb(0, 189,  
235) }
```

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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