

Converting Colors

XYZ(30.8666, 41.1006, 95.1872)

Have a look what the booklet for
XYZ(30.8666, 41.1006, 95.1872)
contains.

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Color

**XYZ(35.1409, 43.1725,
95.2879)**

Conversions

Conversions Part 1

Format	Color
Hex	00BDF8
RGB	0, 189, 248
RGB Percent	0%, 74%, 97%
CMY	0.9997, 0.2588, 0.0274
CMYK	1.00, 0.24, 0.00, 0.03
HSL	194°, 100%, 49%
HSV	194°, 100%, 97%
XYZ	35.1409, 43.1725, 95.2879
YIQ	139.2150, -131.5830, -21.7190

Conversions

Conversions Part 2

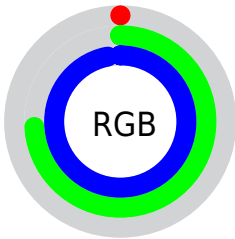
Format	Color
RYB	0, 107, 248
Decimal	48632
CIELab	71.67, -19.03, -40.14
CIELCh	72, 44.428, 244.633
Yxy	43.1725, 0.2024, 0.2487
Android (android.graphics.Color)	4278238712 (0xFF00BDF8)
YUV	139.2150, 53.6310, -122.0916
Hunter-Lab	65.7058, -19.5194, -39.9895

Details

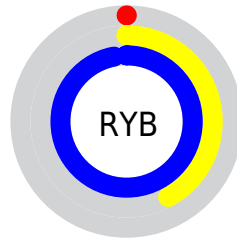
The XYZ color **35.1409, 43.1725, 95.2879** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **40.2800, 23.0924, 2.3364**, and the grayscale version is **24.4687, 25.7430, 28.0341**.

A 20% lighter version of the original color is **57.3845, 75.9696, 106.2469**, and **18.2081, 21.3699, 52.4553** is the 20% darker color. If you saturate the color by 10%, you get **35.1376, 43.1658, 95.2877**, and if you desaturate by 10%, it is **36.8348, 45.9696, 95.7394**.

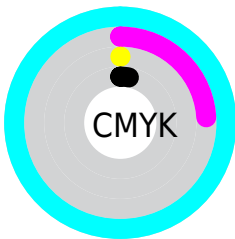
Distribution



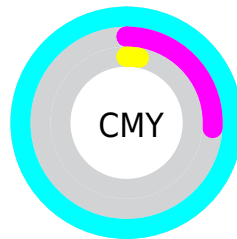
- Red (0%)
- Green (74%)
- Blue (97%)



- Red (0%)
- Yellow (42%)
- Blue (97%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (26%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1409, 43.1725, 95.2879 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 35.1409, 43.1725, 95.2879 by changing the saturation by 10% instead.


 35.1409, 43.1725,
95.2879


 35.1409, 43.1725,
95.2879


316.6869,
359.3207, 566.0941


 23.9385, 30.0205,
71.7764


 67.0366, 79.9711,
156.6613

 15.4125, 19.8541,
52.4903


 88.4605, 104.3865,
195.3603


 9.1976, 12.2891,
37.0111

 114.0223,
133.3251, 239.9588

 4.9284, 6.9409,
24.9202

 144.0874,
167.1714, 290.8755

 2.2396, 3.4251,
15.7992

 179.0210,
206.3097, 348.5288

 0.7635, 1.3575,
9.2293

219.1886,

 0.0000, 0.1851,

251.1244, 413.3373

4.7922

264.9554,
301.9999, 485.7196

■ 0.0000, 0.0000,
2.0693

■ 0.0000, 0.0000,
0.5974

■ 35.1409, 43.1725,
95.2879

■ 35.1409, 43.1725,
95.2879

■ 35.1376, 43.1658,
95.2877

■ 36.8348, 45.9696,
95.7394

■ 39.0842, 49.1299,
96.2309

■ 42.0462, 52.7361,
96.7708

■ 45.8152, 56.8375,
97.3638

■ 50.4706, 61.4761,
98.0138

■ 56.0818, 66.6884,
98.7241

■ 62.7112, 72.5074,
99.4979

■ 70.4154, 78.9631,
100.3379

■ 79.2471, 86.0834,
101.2468

Harmonies

Analogous

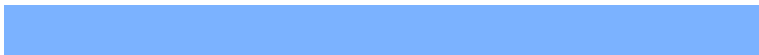
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.2406, 43.1725, 74.7182



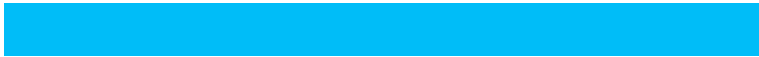
35.1409, 43.1725, 95.2879



42.2144, 43.1725, 101.6066

Triad

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



35.1409, 43.1725, 95.2879



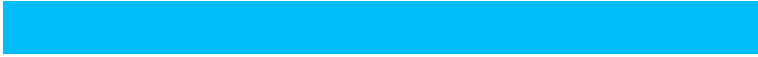
57.2163, 43.1725, 43.7381



33.3462, 43.1725, 20.4858

Complementary

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



35.1409, 43.1725, 95.2879



40.2800, 23.0924, 2.3364

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.



39.8761, 43.1725, 16.6150



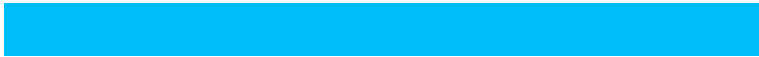
35.1409, 43.1725, 95.2879



54.1317, 43.1725, 27.1667

Square

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



35.1409, 43.1725, 95.2879



55.5501, 43.1725, 67.0946



47.5520, 43.1725, 18.6208



29.2967, 43.1725, 31.3924

Rectangle

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



35.1409, 43.1725, 95.2879



47.3671, 43.1725, 95.6474



47.5520, 43.1725, 18.6208



35.2925, 43.1725, 18.5001

Sweetspot

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



35.1424, 43.1740, 95.2890



66.7500, 77.1941, 105.9896



34.3305, 67.4407, 15.2009



13.6206, 15.9456, 22.6099



0.0000, 0.0000, 0.0000



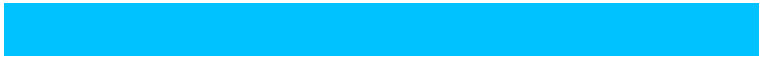
20.3446, 21.4041, 23.3091

Same Dimension

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



35.1424, 43.1740, 95.2890



37.4126, 45.9451, 101.5042



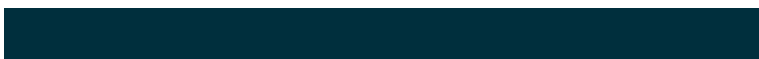
18.9036, 10.6964, 89.8761



17.3953, 18.8674, 22.1102



19.0950, 23.5456, 51.5119



1.8497, 2.3431, 4.7980

Inverse Universe

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



47.8981, 23.6325, 50.1823



51.0133, 25.1693, 53.3956



55.4171, 53.3667, 7.3822



17.8061, 17.4498, 20.8344



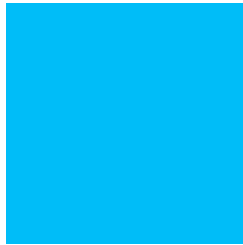
25.9303, 12.7878, 27.4051



2.4426, 1.2008, 2.7540

Previews

White Background



This preview shows how the XYZ color 35.1409, 43.1725, 95.2879 looks on a white background.

Color Contrast Check

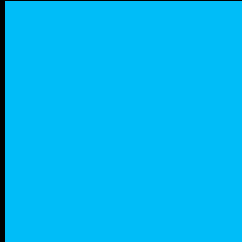
Large Text (above 18pt) WCAG AA × Fail

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 35.1409, 43.1725, 95.2879 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 35.1409, 43.1725, 95.2879

Background



This preview shows how black text looks on a background with the XYZ color 35.1409, 43.1725, 95.2879.



This preview shows how white text looks on a background with the XYZ color 35.1409, 43.1725,

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

35.1409, 43.1725, 95.2879

Protanopia

43.4582, 42.5711, 84.5238

Deuteranopia

44.0159, 42.8447, 98.0454



Tritanopia

30.8004, 43.1870, 67.0342

Trichromacy



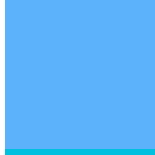
Original Color

35.1409, 43.1725, 95.2879



Protanomaly

36.7942, 40.7847, 88.3711



Deuteranomaly

37.9463, 41.4805, 97.2733



Tritanomaly

32.1689, 43.0270, 76.4216

Monochromacy



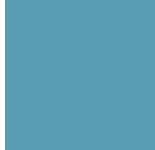
Original Color

35.1409, 43.1725, 95.2879



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

24.2182, 29.4433, 47.0545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1409, 43.1725, 95.2879 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 248) }
```

Border

The CSS property to change the border of an element to XYZ 35.1409, 43.1725, 95.2879 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, 248) }
```


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

```
.border{ border-color:rgb(0, 189, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1409, 43.1725, 95.2879 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, 248) }
```

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

```
.background{ background-color: rgb(0, 189,  
248) }
```

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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