

Converting Colors

XYZ(29.9188, 41.3524, 96.3070)

Have a look what the booklet for
XYZ(29.9188, 41.3524, 96.3070)
contains.

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Color

**XYZ(35.9485, 44.5388,
96.3247)**

Conversions

Conversions Part 1

Format	Color
Hex	00C0F9
RGB	0, 192, 249
RGB Percent	0%, 75%, 98%
CMY	0.9997, 0.2471, 0.0235
CMYK	1.00, 0.23, 0.00, 0.02
HSL	194°, 100%, 49%
HSV	194°, 100%, 98%
XYZ	35.9485, 44.5388, 96.3247
YIQ	141.0900, -132.7290, -22.9770

Conversions

Conversions Part 2

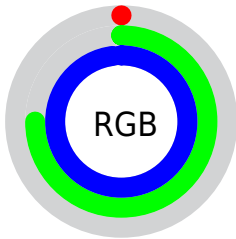
Format	Color
RYB	0, 108, 249
Decimal	49401
CIELab	72.59, -20.25, -39.26
CIELCh	73, 44.173, 242.714
Yxy	44.5388, 0.2033, 0.2519
Android (android.graphics.Color)	4278239481 (0xFF00C0F9)
YUV	141.0900, 53.1996, -123.7359
Hunter-Lab	66.7374, -20.6403, -38.8594

Details

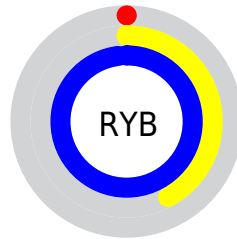
The XYZ color **35.9485, 44.5388, 96.3247** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **40.5343, 23.0733, 2.3193**, and the grayscale version is **25.1969, 26.5091, 28.8684**.

A 20% lighter version of the original color is **58.2995, 77.7995, 106.5519**, and **18.6029, 21.9827, 53.1318** is the 20% darker color. If you saturate the color by 10%, you get **35.9456, 44.5327, 96.3246**, and if you desaturate by 10%, it is **37.6257, 47.2988, 96.7699**.

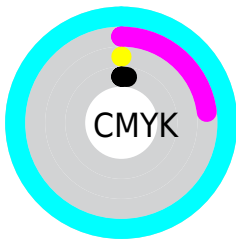
Distribution



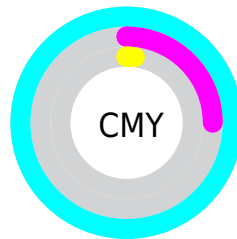
- Red (0%)
- Green (75%)
- Blue (98%)



- Red (0%)
- Yellow (42%)
- Blue (98%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (25%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9485, 44.5388, 96.3247 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 35.9485, 44.5388, 96.3247 by changing the saturation by 10% instead.

35.9485, 44.5388,
96.3247

35.9485, 44.5388,
96.3247

320.1706,
364.9025, 569.4895

24.5643, 31.0943,
72.6351

68.2770, 82.0279,
158.1047

15.8798, 20.6707,
53.1876

89.9520, 106.8413,
197.0322

9.5294, 12.8835,
37.5638

115.7880,
136.2131, 241.8761

5.1479, 7.3484,
25.3451

146.1504,
170.5278, 293.0548

2.3700, 3.6809,
16.1130

181.4045,
210.1696, 350.9870

0.8301, 1.4967,
9.4489

221.9156,

0.0000, 0.2864,

255.5231, 416.0911

4.9344

268.0492,
306.9726, 488.7858

■ 0.0000, 0.0000,
2.1507

■ 0.0000, 0.0000,
0.6457

■ 35.9485, 44.5388,
96.3247

■ 35.9485, 44.5388,
96.3247

■ 35.9456, 44.5327,
96.3246

■ 37.6257, 47.2988,
96.7699

■ 39.8599, 50.4180,
97.2543

■ 42.8096, 53.9796,
97.7863

■ 46.5700, 58.0336,
98.3706

■ 51.2214, 62.6219,
99.0110

■ 56.8337, 67.7814,
99.7111

■ 63.4698, 73.5453,
100.4739

■ 71.1870, 79.9438,
101.3022

■ 80.0383, 87.0050,
102.1986

Harmonies

Analogous

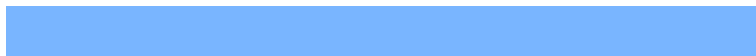
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.1356, 44.5388, 74.9748



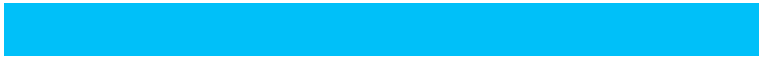
35.9485, 44.5388, 96.3247



43.0323, 44.5388, 103.8351

Triad

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



35.9485, 44.5388, 96.3247



58.7693, 44.5388, 46.5299



34.8787, 44.5388, 21.0090

Complementary

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



35.9485, 44.5388, 96.3247



40.5343, 23.0733, 2.3193

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.



41.6409, 44.5388, 17.4386



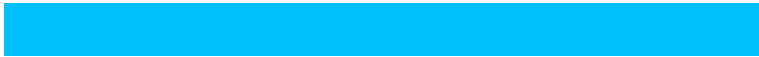
35.9485, 44.5388, 96.3247



55.9364, 44.5388, 29.1243

Square

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



35.9485, 44.5388, 96.3247



56.7783, 44.5388, 70.4546



49.4315, 44.5388, 19.8888



30.5722, 44.5388, 31.6505

Rectangle

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



35.9485, 44.5388, 96.3247



48.2630, 44.5388, 98.5835



49.4315, 44.5388, 19.8888



36.9094, 44.5388, 19.1160

Sweetspot

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



35.9501, 44.5403, 96.3258



66.9494, 77.5929, 106.0561



34.5429, 68.0189, 14.7992



13.6686, 16.0416, 22.6259



0.0000, 0.0000, 0.0000



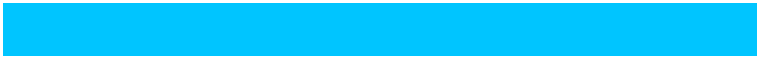
20.3446, 21.4041, 23.3091

Same Dimension

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



35.9501, 44.5403, 96.3258



37.9281, 46.9761, 101.6760



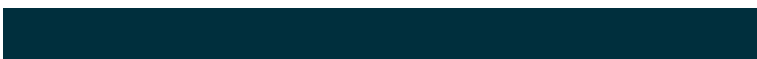
19.3279, 11.2960, 90.7851



17.4091, 18.8950, 22.1148



19.3535, 24.0627, 51.5981



1.8717, 2.3871, 4.8053

Inverse Universe

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



48.5828, 23.9474, 51.9321



51.2735, 25.2734, 54.7658



55.0820, 52.1687, 7.1685



17.8130, 17.4526, 20.8711



26.0608, 12.8400, 28.0923



2.4537, 1.2052, 2.8124

Previews

White Background



This preview shows how the XYZ color 35.9485, 44.5388, 96.3247 looks on a white background.

Color Contrast Check

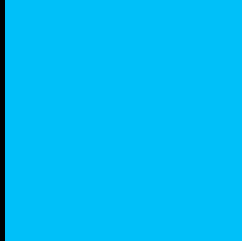
Large Text (above 18pt) WCAG AA × Fail

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 35.9485, 44.5388, 96.3247 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

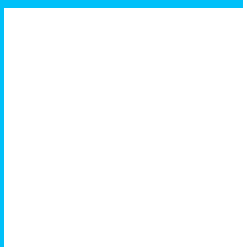
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9485, 44.5388, 96.3247

Background



This preview shows how black text looks on a background with the XYZ color 35.9485, 44.5388, 96.3247.



This preview shows how white text looks on a background with the XYZ color 35.9485, 44.5388,

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

35.9485, 44.5388, 96.3247

Protanopia

44.9675, 44.1897, 85.5163

Deuteranopia

45.2723, 44.0477, 99.0445



Tritanopia

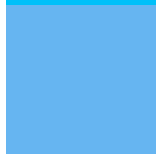
31.8499, 44.6860, 69.2339

Trichromacy



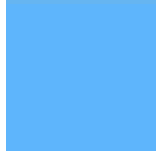
Original Color

35.9485, 44.5388, 96.3247



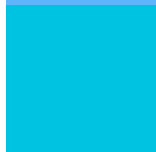
Protanomaly

37.8805, 42.2234, 89.3725



Deuteranomaly

38.7107, 42.4557, 98.2500



Tritanomaly

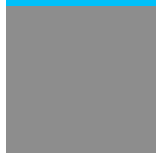
33.1057, 44.4665, 78.0722

Monochromacy



Original Color

35.9485, 44.5388, 96.3247



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

25.0255, 30.6106, 47.7695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9485, 44.5388, 96.3247 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, 192, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 249)  
}
```

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, 192, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 249) }
```

Border

The CSS property to change the border of an element to XYZ 35.9485, 44.5388, 96.3247 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, 192, 249) }
```


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

```
.border{ border-color:rgb(0, 192, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9485, 44.5388, 96.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 249) }
```

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

```
.background{ background-color: rgb(0, 192,  
249) }
```

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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