

Converting Colors

XYZ(35.1444, 42.7054, 96.7509)

Have a look what the booklet for
XYZ(35.1444, 42.7054, 96.7509)
contains.

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Color

**XYZ(35.2385, 42.8686,
96.8597)**

Conversions

Conversions Part 1

Format	Color
Hex	00BCFA
RGB	0, 188, 250
RGB Percent	0%, 74%, 98%
CMY	0.9997, 0.2627, 0.0196
CMYK	1.00, 0.25, 0.00, 0.02
HSL	195°, 100%, 49%
HSV	195°, 100%, 98%
XYZ	35.2385, 42.8686, 96.8597
YIQ	138.8560, -131.9500, -20.5740

Conversions

Conversions Part 2

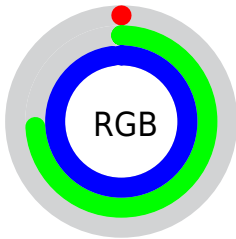
Format	Color
RYB	0, 107, 250
Decimal	48378
CIELab	71.47, -17.81, -41.55
CIELCh	71, 45.204, 246.793
Yxy	42.8686, 0.2014, 0.2450
Android (android.graphics.Color)	4278238458 (0xFF00BCFA)
YUV	138.8560, 54.7940, -121.7767
Hunter-Lab	65.4741, -18.5101, -41.8793

Details

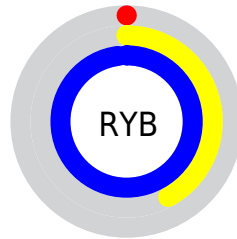
The XYZ color **35.2385, 42.8686, 96.8597** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **41.1513, 23.7767, 2.4224**, and the grayscale version is **24.3259, 25.5927, 27.8705**.

A 20% lighter version of the original color is **57.0828, 75.3661, 106.1463**, and **18.2896, 21.1782, 53.5759** is the 20% darker color. If you saturate the color by 10%, you get **35.2357, 42.8625, 96.8596**, and if you desaturate by 10%, it is **36.9952, 45.7841, 97.3307**.

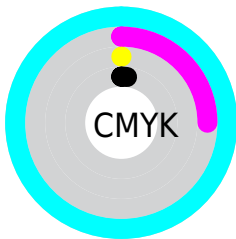
Distribution



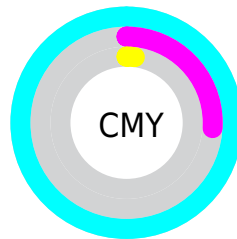
- Red (0%)
- Green (74%)
- Blue (98%)



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



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (26%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2385, 42.8686, 96.8597 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 35.2385, 42.8686, 96.8597 by changing the saturation by 10% instead.

35.2385, 42.8686,
96.8597

35.2385, 42.8686,
96.8597

317.1094,
358.0711, 571.2373

24.0140, 29.7820,
73.0784

67.1867, 79.5125,
158.8490

15.4688, 19.6732,
53.5478

88.6411, 103.8387,
197.8940

9.2375, 12.1577,
37.8496

114.2362,
132.6802, 242.8640

4.9548, 6.8512,
25.5650

144.3373,
166.4213, 294.1775

2.2552, 3.3692,
16.2757

179.3098,
205.4466, 352.2530

0.7716, 1.3274,
9.5630

219.5191,

0.0000, 0.1623,

250.1404, 417.5091

5.0084

265.3305,
300.8871, 490.3644

■ 0.0000, 0.0000,
2.1934

■ 0.0000, 0.0000,
0.6705

■ 35.2385, 42.8686,
96.8597

■ 35.2385, 42.8686,
96.8597

■ 35.2357, 42.8625,
96.8596

■ 36.9952, 45.7841,
97.3307

■ 39.3225, 49.0786,
97.8440

■ 42.3801, 52.8362,
98.4081

■ 46.2645, 57.1075,
99.0278

■ 51.0569, 61.9355,
99.7071

■ 56.8280, 67.3575,
100.4495

■ 63.6415, 73.4073,
101.2581

■ 71.5554, 80.1157,
102.1359

■ 80.6233, 87.5114,
103.0855

Harmonies

Analogous

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



30.0993, 42.8686, 76.6000



35.2385, 42.8686, 96.8597



42.5036, 42.8686, 101.9939

Triad

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



35.2385, 42.8686, 96.8597



57.1003, 42.8686, 41.8856



32.5825, 42.8686, 20.4862

Complementary

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



35.2385, 42.8686, 96.8597



41.1513, 23.7767, 2.4224

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.



39.0362, 42.8686, 16.1717



35.2385, 42.8686, 96.8597



53.6452, 42.8686, 25.7801

Square

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



35.2385, 42.8686, 96.8597



55.7548, 42.8686, 65.2476



46.7979, 42.8686, 17.7505



28.7047, 42.8686, 32.0131

Rectangle

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



35.2385, 42.8686, 96.8597



47.7155, 42.8686, 95.0648



46.7979, 42.8686, 17.7505



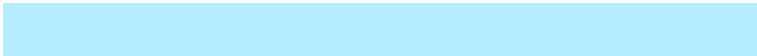
34.4893, 42.8686, 18.3396

Sweetspot

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



35.2400, 42.8700, 96.8608



66.5272, 76.7486, 105.9153



34.9603, 68.6817, 15.4688



13.5670, 15.8384, 22.5920



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.



35.2400, 42.8700, 96.8608



36.8436, 44.8072, 101.3145



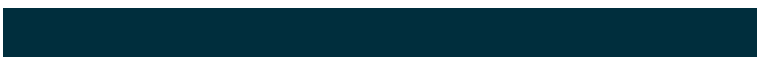
19.2466, 10.8832, 91.5297



17.3798, 18.8364, 22.1051



18.8096, 22.9747, 51.4167



1.8254, 2.2945, 4.7899

Inverse Universe

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



48.5028, 23.9566, 49.6459



50.7261, 25.0545, 51.8834



56.4313, 54.3367, 7.5157



17.7982, 17.4467, 20.7933



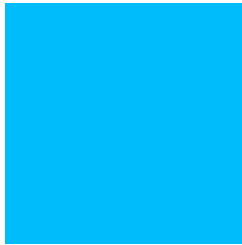
25.7862, 12.7302, 26.6464



2.4303, 1.1959, 2.6894

Previews

White Background



This preview shows how the XYZ color 35.2385, 42.8686, 96.8597 looks on a white background.

Color Contrast Check

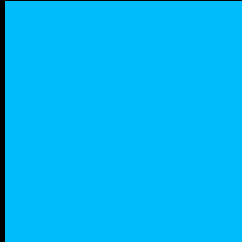
Large Text (above 18pt) WCAG AA × Fail

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 35.2385, 42.8686, 96.8597 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

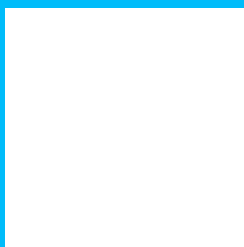
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.2385, 42.8686, 96.8597

Background



This preview shows how black text looks on a background with the XYZ color 35.2385, 42.8686, 96.8597.

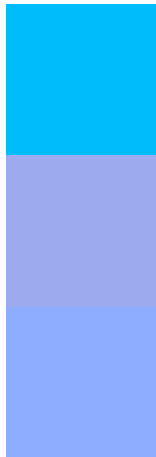


This preview shows how white text looks on a background with the XYZ color 35.2385, 42.8686,

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

35.2385, 42.8686, 96.8597

Protanopia

43.3665, 42.2088, 85.9822

Deuteranopia

43.8175, 42.7056, 99.6995



Tritanopia

30.4551, 42.6940, 66.3101

Trichromacy



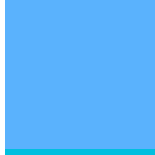
Original Color

35.2385, 42.8686, 96.8597



Protanomaly

36.8947, 40.5077, 89.8786



Deuteranomaly

37.8665, 41.1063, 98.8670



Tritanomaly

31.9501, 42.5893, 76.3487

Monochromacy



Original Color

35.2385, 42.8686, 96.8597



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 35.2385, 42.8686, 96.8597 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, 188, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 250)  
}
```

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, 188, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 250) }
```

Border

The CSS property to change the border of an element to XYZ 35.2385, 42.8686, 96.8597 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, 188, 250) }
```


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

```
.border{ border-color:rgb(0, 188, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2385, 42.8686, 96.8597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 250) }
```

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

```
.background{ background-color: rgb(0, 188,  
250) }
```

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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