

Converting Colors

XYZ(31.0474, 40.9306, 97.1756)

Have a look what the booklet for
XYZ(31.0474, 40.9306, 97.1756)
contains.

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Color

**XYZ(35.6102, 43.3602,
97.7593)**

Conversions

Conversions Part 1

Format	Color
Hex	00BDFB
RGB	0, 189, 251
RGB Percent	0%, 74%, 98%
CMY	0.9997, 0.2588, 0.0157
CMYK	1.00, 0.25, 0.00, 0.02
HSL	195°, 100%, 49%
HSV	195°, 100%, 98%
XYZ	35.6102, 43.3602, 97.7593
YIQ	139.5570, -132.5460, -20.7860

Conversions

Conversions Part 2

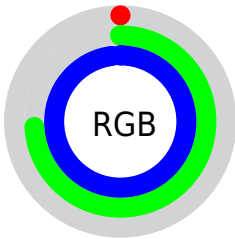
Format	Color
RYB	0, 108, 251
Decimal	48635
CIELab	71.80, -17.99, -41.57
CIELCh	72, 45.292, 246.597
Yxy	43.3602, 0.2015, 0.2453
Android (android.graphics.Color)	4278238715 (0xFF00BDFB)
YUV	139.5570, 54.9414, -122.3915
Hunter-Lab	65.8485, -18.7038, -41.9286

Details

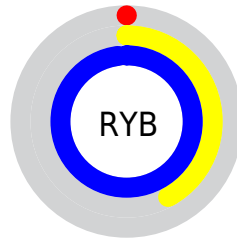
The XYZ color **35.6102, 43.3602, 97.7593** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **41.5112, 23.9631, 2.4397**, and the grayscale version is **24.5959, 25.8768, 28.1798**.

A 20% lighter version of the original color is **57.5125, 76.0355, 106.2528**, and **18.5418, 21.5034, 54.2122** is the 20% darker color. If you saturate the color by 10%, you get **35.6067, 43.3530, 97.7590**, and if you desaturate by 10%, it is **37.3788, 46.2957, 98.2336**.

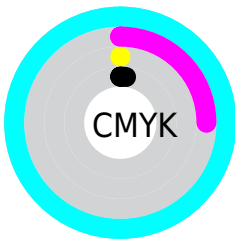
Distribution



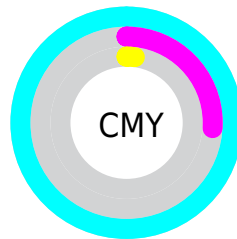
- Red (0%)
- Green (74%)
- Blue (98%)



- 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 35.6102, 43.3602, 97.7593 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 35.6102, 43.3602, 97.7593 by changing the saturation by 10% instead.

■ 35.6102, 43.3602,
97.7593

■ 35.6102, 43.3602,
97.7593

318.7146,
360.0910, 574.1698

■ 24.3020, 30.1678,
73.8241

■ 67.7578, 80.2541,
160.0994

■ 15.6837, 19.9660,
54.1542

■ 89.3279, 104.7245,
199.3415

■ 9.3901, 12.3703,
38.3309

■ 115.0494,
133.7230, 244.5230

■ 5.0556, 6.9964,
25.9358

■ 145.2876,
167.6340, 296.0623

■ 2.3150, 3.4599,
16.5503

■ 180.4079,
206.8419, 354.3781

■ 0.8023, 1.3763,
9.7558

220.7756,

■ 0.0000, 0.1991,

251.7311, 419.8890

5.1339

266.7560,
302.6860, 493.0134

■ 0.0000, 0.0000,
2.2659

■ 0.0000, 0.0000,
0.7120

■ 35.6102, 43.3602,
97.7593

■ 35.6102, 43.3602,
97.7593

■ 35.6067, 43.3530,
97.7590

■ 37.3788, 46.2957,
98.2336

■ 39.7232, 49.6129,
98.7503

■ 42.8043, 53.3968,
99.3183

■ 46.7195, 57.6983,
99.9422

■ 51.5508, 62.5608,
100.6261

■ 57.3697, 68.0221,
101.3736

■ 64.2404, 74.1162,
102.1877

■ 72.2216, 80.8743,
103.0715

■ 81.3672, 88.3251,
104.0276

Harmonies

Analogous

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



30.4377, 43.3602, 77.2510



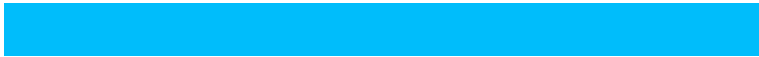
35.6102, 43.3602, 97.7593



42.9359, 43.3602, 103.0602

Triad

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



35.6102, 43.3602, 97.7593



57.7283, 43.3602, 42.5089



33.0054, 43.3602, 20.7075

Complementary

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



35.6102, 43.3602, 97.7593



41.5112, 23.9631, 2.4397

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.



39.5359, 43.3602, 16.3875



35.6102, 43.3602, 97.7593



54.2703, 43.3602, 26.1860

Square

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



35.6102, 43.3602, 97.7593



56.3383, 43.3602, 66.1237



47.3737, 43.3602, 18.0223



29.0698, 43.3602, 32.3008

Rectangle

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



35.6102, 43.3602, 97.7593



48.1986, 43.3602, 96.1467



47.3737, 43.3602, 18.0223



34.9365, 43.3602, 18.5527

Sweetspot

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



35.6118, 43.3617, 97.7604



66.5488, 76.7917, 105.9225



35.2782, 69.3074, 15.6053



13.5722, 15.8488, 22.5937



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.



35.6118, 43.3617, 97.7604



36.8983, 44.9166, 101.3328



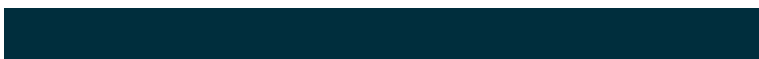
19.4203, 10.9787, 92.3632



17.3813, 18.8394, 22.1056



18.8370, 23.0296, 51.4259



1.8278, 2.2992, 4.7906

Inverse Universe

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



48.9704, 24.1853, 50.2325



50.7538, 25.0655, 52.0287



56.9432, 54.8271, 7.5837



17.7990, 17.4470, 20.7973



25.8001, 12.7358, 26.7193



2.4315, 1.1963, 2.6957

Previews

White Background



This preview shows how the XYZ color 35.6102, 43.3602, 97.7593 looks on a white background.

Color Contrast Check

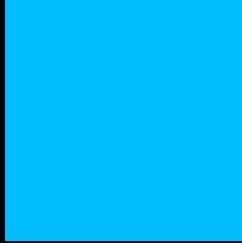
Large Text (above 18pt) WCAG AA × Fail

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 35.6102, 43.3602, 97.7593 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 35.6102, 43.3602, 97.7593

Background



This preview shows how black text looks on a background with the XYZ color 35.6102, 43.3602, 97.7593.



This preview shows how white text looks on a background with the XYZ color 35.6102, 43.3602,

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

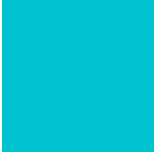
35.6102, 43.3602, 97.7593

Protanopia

43.8954, 42.7460, 86.8262

Deuteranopia

44.1489, 42.8579, 100.5533



Tritanopia

30.8004, 43.1870, 67.0342

Trichromacy



Original Color

35.6102, 43.3602, 97.7593

Protanomaly

37.2436, 40.9645, 90.7380

Deuteranomaly

38.2259, 41.5696, 99.7749

Tritanomaly

32.3042, 43.0811, 77.1339

Monochromacy



Original Color

35.6102, 43.3602, 97.7593

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.5849, 29.8729, 47.6503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6102, 43.3602, 97.7593 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 251) }
```

Border

The CSS property to change the border of an element to XYZ 35.6102, 43.3602, 97.7593 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, 251) }
```


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

```
.border{ border-color:rgb(0, 189, 251) }
```

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, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6102, 43.3602, 97.7593 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, 251) }
```

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

```
.background{ background-color: rgb(0, 189,  
251) }
```

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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