

Converting Colors

XYZ(18.5443, 31.5030,
164.2734)

Have a look what the booklet for
XYZ(18.5443, 31.5030, 164.2734)
contains.

| | |
|--|----|
| XYZ(35.1905, 41.5010, 100.7635) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(35.1905, 41.5010,
100.7635)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00B8FF |
| RGB | 0, 184, 255 |
| RGB Percent | 0%, 72%, 100% |
| CMY | 0.9997, 0.2784, 0.0000 |
| CMYK | 1.00, 0.28, 0.00, 0.00 |
| HSL | 197°, 100%, 50% |
| HSV | 197°, 100%, 100% |
| XYZ | 35.1905, 41.5010, 100.7635 |
| YIQ | 137.0780, -132.4550, -16.9270 |

Conversions

Conversions Part 2

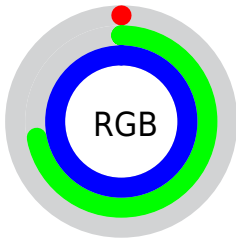
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 107, 255 |
| Decimal | 47359 |
| CIELab | 70.53, -13.92, -45.72 |
| CIELCh | 71, 47.791, 253.062 |
| Yxy | 41.5010, 0.1983, 0.2339 |
| Android (android.graphics.Color) | 4278237439 (0xFF00B8FF) |
| YUV | 137.0780, 58.1355, -120.2174 |
| Hunter-Lab | 64.4213, -15.2305, -47.6426 |

Details

The XYZ color **35.1905, 41.5010, 100.7635** is a dark color, and the websafe version is hex **66CCFF**. The color can be described as middle saturated azure. A complement of this color would be **43.4984, 25.7761, 2.6849**, and the grayscale version is **23.6395, 24.8706, 27.0841**.

A 20% lighter version of the original color is **56.0201, 73.0509, 105.7554**, and **18.3093, 20.3098, 56.3813** is the 20% darker color. If you saturate the color by 10%, you get **35.1865, 41.4930, 100.7622**, and if you desaturate by 10%, it is **37.1187, 44.7410, 101.2873**.

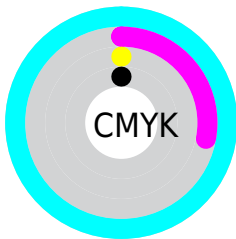
Distribution



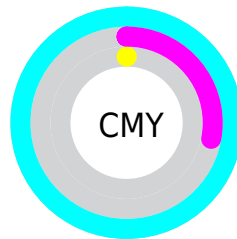
- Red (0%)
- Green (72%)
- Blue (100%)



- Red (0%)
- Yellow (42%)
- Blue (100%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1905, 41.5010, 100.7635 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 35.1905, 41.5010, 100.7635 by changing the saturation by 10% instead.

■ 35.1905, 41.5010,
100.7635

■ 35.1905, 41.5010,
100.7635

316.9017,
352.4102, 583.9053

■ 23.9769, 28.7108,
76.3179

■ 67.1129, 77.4438,
164.2670

■ 15.4411, 18.8621,
56.1850

■ 88.5523, 101.3652,
204.1620

■ 9.2179, 11.5707,
39.9463

■ 114.1310,
129.7658, 250.0439

■ 4.9418, 6.4521,
27.1832

■ 144.2144,
163.0300, 302.3312

■ 2.2476, 3.1219,
17.4772

■ 179.1678,
201.5421, 361.4424

■ 0.7676, 1.1957,
10.4098

219.3566,

■ 0.0000, 0.0582,

245.6866, 427.7962

5.5623

265.1461,
295.8478, 501.8110

■ 0.0000, 0.0000,
2.5164

■ 0.0000, 0.0000,
0.8488

■ 35.1905, 41.5010,
100.7635

■ 35.1905, 41.5010,
100.7635

■ 35.1865, 41.4930,
100.7622

■ 37.1187, 44.7410,
101.2873

■ 39.6603, 48.4081,
101.8611

■ 42.9815, 52.5903,
102.4933

■ 47.1842, 57.3413,
103.1889

■ 52.3537, 62.7068,
103.9520

■ 58.5648, 68.7267,
104.7866

■ 65.8845, 75.4371,
105.6961

■ 74.3740, 82.8707,
106.6835

■ 84.0899, 91.0582,
107.7517

Harmonies

Analogous

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



29.3714, 41.5010, 81.7983



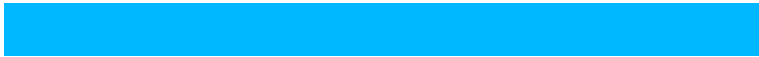
35.1905, 41.5010, 100.7635



42.9727, 41.5010, 102.0668

Triad

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



35.1905, 41.5010, 100.7635



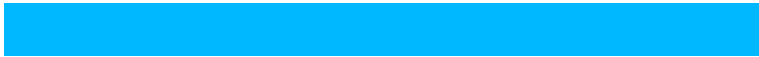
56.1375, 41.5010, 36.0662



29.9713, 41.5010, 20.3053

Complementary

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



35.1905, 41.5010, 100.7635



43.4984, 25.7761, 2.6849

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.



36.1167, 41.5010, 14.7116



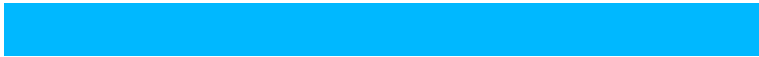
35.1905, 41.5010, 100.7635



51.5940, 41.5010, 21.5485

Square

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



35.1905, 41.5010, 100.7635



55.8023, 41.5010, 59.0575



44.0303, 41.5010, 15.0744



26.6450, 41.5010, 33.6793

Rectangle

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



35.1905, 41.5010, 100.7635



48.3097, 41.5010, 92.2300



44.0303, 41.5010, 15.0744



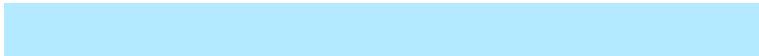
31.7378, 41.5010, 17.6885

Sweetspot

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



35.1919, 41.5023, 100.7637



65.8609, 75.4159, 105.6932



36.8061, 71.9385, 17.4235



13.4069, 15.5182, 22.5387



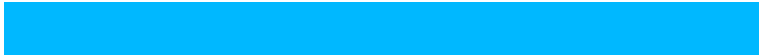
0.0000, 0.0000, 0.0000



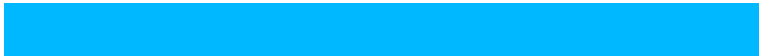
20.3446, 21.4041, 23.3091

Same Dimension

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



35.1919, 41.5023, 100.7637



35.1865, 41.4930, 100.7622



19.6438, 10.4061, 95.5810



18.1021, 19.5758, 23.0744



18.5179, 21.9454, 52.6945



1.8951, 2.3209, 5.1614

Inverse Universe

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



49.8928, 24.7224, 47.4908



49.8897, 24.7199, 47.4788



60.8718, 60.5228, 8.4760



18.5642, 18.2090, 21.5881



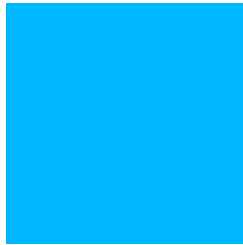
26.1352, 12.9434, 25.1601



2.5912, 1.2788, 2.6945

Previews

White Background



This preview shows how the XYZ color 35.1905, 41.5010, 100.7635 looks on a white background.

Color Contrast Check

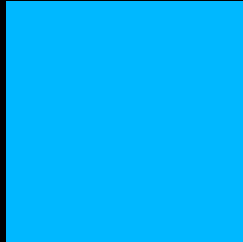
Large Text (above 18pt) WCAG AA × Fail

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 35.1905, 41.5010, 100.7635 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

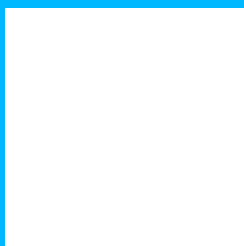
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.1905, 41.5010, 100.7635

Background



This preview shows how black text looks on a background with the XYZ color 35.1905, 41.5010, 100.7635.

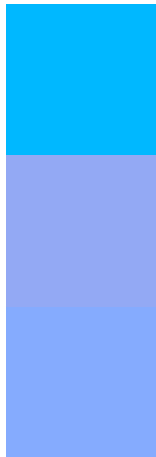


This preview shows how white text looks on a background with the XYZ color 35.1905, 41.5010,

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

35.1905, 41.5010, 100.7635

Protanopia

42.5784, 41.1429, 90.4913

Deuteranopia

42.2858, 41.3324, 100.3570



Tritanopia

29.4329, 41.2347, 64.1654

Trichromacy



Original Color

35.1905, 41.5010, 100.7635

Protanomaly

36.5406, 39.3672, 93.6684

Deuteranomaly

37.3216, 40.2020, 100.4004

Tritanomaly

31.3025, 41.2942, 76.1328

Monochromacy



Original Color

35.1905, 41.5010, 100.7635

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.7243, 28.4327, 47.4177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1905, 41.5010, 100.7635 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, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 255)  
}
```

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, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.1905, 41.5010, 100.7635 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, 184, 255) }
```


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

```
.border{ border-color:rgb(0, 184, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1905, 41.5010, 100.7635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 255) }
```

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

```
.background{ background-color: rgb(0, 184,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor