

Converting Colors

XYZ(35.8841, 42.7438,
100.9668)

Have a look what the booklet for
XYZ(35.8841, 42.7438, 100.9668)
contains.

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Color

**XYZ(35.9205, 42.8123,
100.9781)**

Conversions

Conversions Part 1

Format	Color
Hex	08BBFF
RGB	8, 187, 255
RGB Percent	3%, 73%, 100%
CMY	0.9683, 0.2667, 0.0000
CMYK	0.97, 0.27, 0.00, 0.00
HSL	197°, 100%, 52%
HSV	197°, 97%, 100%
XYZ	35.9205, 42.8123, 100.9781
YIQ	141.2310, -128.5120, -16.8000

Conversions

Conversions Part 2

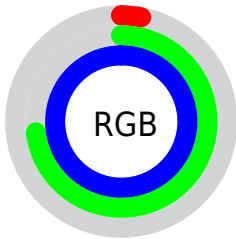
Format	Color
R _Y B	8, 112, 255
Decimal	572415
CIE Lab	71.43, -15.35, -44.30
CIE LCh	71, 46.883, 250.895
Yxy	42.8123, 0.1999, 0.2382
Android (android.graphics.Color)	4278762495 (0xFF08BBFF)
YUV	141.2310, 56.0881, -116.8436
Hunter-Lab	65.4311, -16.5112, -45.6989

Details

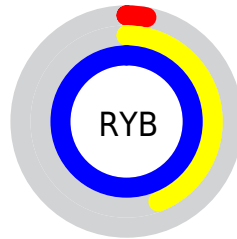
The XYZ color **35.9205, 42.8123, 100.9781** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **43.8740, 26.4572, 3.0263**, and the grayscale version is **25.2407, 26.5552, 28.9186**.

A 20% lighter version of the original color is **57.0400, 74.8986, 106.0583**, and **18.7181, 21.1274, 56.5175** is the 20% darker color. If you saturate the color by 10%, you get **35.3524, 41.8248, 100.8175**, and if you desaturate by 10%, it is **37.9931, 46.1474, 101.5126**.

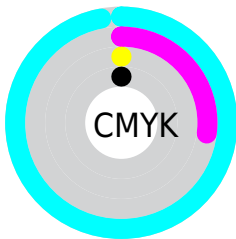
Distribution



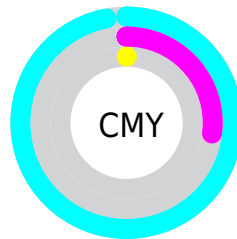
- Red (3%)
- Green (73%)
- Blue (100%)



- Red (3%)
- Yellow (44%)
- Blue (100%)



- Cyan (97%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (97%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9205, 42.8123, 100.9781 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 35.9205, 42.8123, 100.9781 by changing the saturation by 10% instead.

35.9205, 42.8123,
100.9781

35.9205, 42.8123,
100.9781

320.0502,
357.8393, 584.5975

24.5426, 29.7379,
76.4962

68.2340, 79.4275,
164.5642

15.8635, 19.6397,
56.3304

89.9004, 103.7371,
204.5056

9.5179, 12.1334,
40.0621

115.7269,
132.5606, 250.4372

5.1403, 6.8346,
27.2728

146.0790,
166.2823, 302.7775

2.3654, 3.3589,
17.5440

181.3221,
205.2866, 361.9452

0.8278, 1.3218,
10.4570

221.8214,

0.0000, 0.1580,

249.9579, 428.3587

5.5935

267.9423,
300.6807, 502.4366

■ 0.0000, 0.0000,
2.5348

■ 0.0000, 0.0000,
0.8585

■ 35.9205, 42.8123,
100.9781

■ 35.9205, 42.8123,
100.9781

■ 35.3524, 41.8248,
100.8175

■ 37.9931, 46.1474,
101.5126

■ 40.7558, 49.9473,
102.1005

■ 44.3309, 54.2770,
102.7478

■ 48.8139, 59.1874,
103.4593

■ 54.2865, 64.7219,
104.2391

■ 60.8208, 70.9191,
105.0909

■ 68.4817, 77.8137,
106.0179

■ 77.3288, 85.4380,
107.0233

■ 87.4173, 93.8216,
108.1097

Harmonies

Analogous

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



30.2571, 42.8123, 81.2827



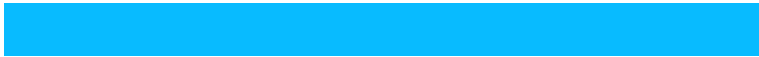
35.9205, 42.8123, 100.9781



43.6303, 42.8123, 103.7008

Triad

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



35.9205, 42.8123, 100.9781



57.5018, 42.8123, 38.8682



31.5368, 42.8123, 20.8605

Complementary

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



35.9205, 42.8123, 100.9781



43.8740, 26.4572, 3.0263

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.



37.8883, 42.8123, 15.6204



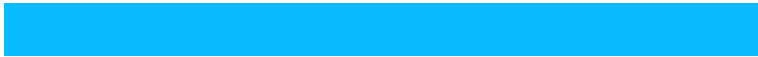
35.9205, 42.8123, 100.9781



53.2858, 42.8123, 23.5444

Square

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



35.9205, 42.8123, 100.9781



56.7960, 42.8123, 62.3503



45.8680, 42.8123, 16.4110



27.9618, 42.8123, 33.7789

Rectangle

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



35.9205, 42.8123, 100.9781



48.9988, 42.8123, 94.7879



45.8680, 42.8123, 16.4110



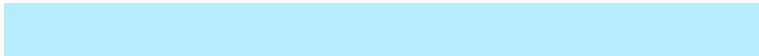
33.3811, 42.8123, 18.3664

Sweetspot

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



35.9219, 42.8137, 100.9783



66.7218, 76.2579, 105.8104



37.0946, 72.0655, 18.4202



13.5745, 15.6883, 22.5626



0.0000, 0.0000, 0.0000



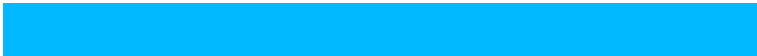
20.3446, 21.4041, 23.3091

Same Dimension

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



35.9219, 42.8137, 100.9783



35.3524, 41.8248, 100.8175



20.0815, 11.1329, 95.6982



18.1071, 19.5858, 23.0760



18.6039, 22.1173, 52.7231



1.9029, 2.3365, 5.1640

Inverse Universe

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



50.2976, 25.0233, 49.1939



49.9734, 24.7534, 47.9197



61.3381, 61.3853, 8.8477



18.5667, 18.2100, 21.6014



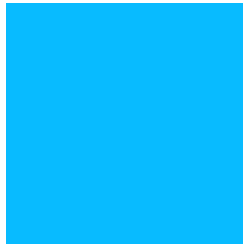
26.1786, 12.9607, 25.3885



2.5951, 1.2804, 2.7153

Previews

White Background



This preview shows how the XYZ color 35.9205, 42.8123, 100.9781 looks on a white background.

Color Contrast Check

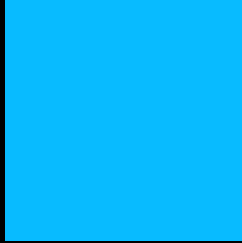
Large Text (above 18pt) WCAG AA × Fail

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 35.9205, 42.8123, 100.9781 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

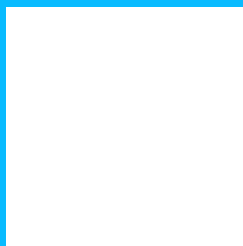
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9205, 42.8123, 100.9781

Background



This preview shows how black text looks on a background with the XYZ color 35.9205, 42.8123, 100.9781.



This preview shows how white text looks on a background with the XYZ color 35.9205, 42.8123,

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

35.9205, 42.8123, 100.9781

Protanopia

43.5388, 42.2120, 89.8574

Deuteranopia

43.4748, 42.5104, 100.5217



Tritanopia

30.4551, 42.6940, 66.3101

Trichromacy



Original Color

35.9205, 42.8123, 100.9781

Protanomaly

37.7662, 40.8690, 93.8937

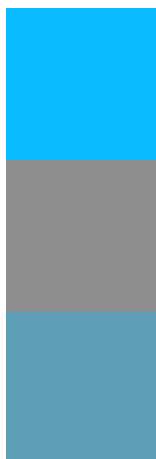
Deuteranomaly

38.2848, 41.2849, 100.5587

Tritanomaly

32.2590, 42.7172, 77.7792

Monochromacy



Original Color

35.9205, 42.8123, 100.9781

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.1846, 30.1583, 48.7497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9205, 42.8123, 100.9781 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(8, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(8, 187, 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(8, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 187, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.9205, 42.8123, 100.9781 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(8, 187, 255) }
```


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

```
.border{ border-color:rgb(8, 187, 255) }
```

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

Here you see how a box with a 4 pixel rgb(8, 187, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(8, 187,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9205, 42.8123, 100.9781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 187, 255) }
```

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

```
.background{ background-color: rgb(8, 187,  
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](#).

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