

# Converting Colors

XYZ(49.9354, 53.9717,  
147.4285)

Have a look what the booklet for  
XYZ(49.9354, 53.9717, 147.4285)  
contains.

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# **Color**

**XYZ(41.3505, 50.5849,  
102.1922)**

# Conversions

## Conversions Part 1

Format	Color
Hex	41CAFF
RGB	65, 202, 255
RGB Percent	25%, 79%, 100%
CMY	0.7450, 0.2078, 0.0000
CMYK	0.75, 0.21, 0.00, 0.00
HSL	197°, 100%, 63%
HSV	197°, 75%, 100%
XYZ	41.3505, 50.5849, 102.1922
YIQ	167.0790, -98.6650, -12.5610

# Conversions

## Conversions Part 2

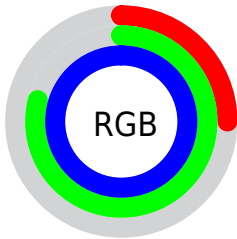
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	65, 145, 255
Decimal	4311807
CIE <sub>Lab</sub>	76.43, -19.53, -36.46
CIE <sub>LCh</sub>	76, 41.360, 241.828
Y <sub>xy</sub>	50.5849, 0.2130, 0.2606
Android (android.graphics.Color)	4282501887 (0xFF41CAFF)
YUV	167.0790, 43.3451, -89.5233
Hunter-Lab	71.1231, -20.6866, -35.4039

# Details

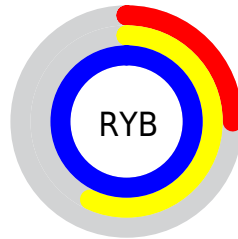
The XYZ color **41.3505, 50.5849, 102.1922** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **48.6743, 34.6013, 9.1164**, and the grayscale version is **36.6016, 38.5077, 41.9349**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **20.7829, 25.2570, 57.2058** is the 20% darker color. If you saturate the color by 10%, you get **38.3966, 46.6421, 101.5868**, and if you desaturate by 10%, it is **45.1455, 55.0774, 102.8593**.

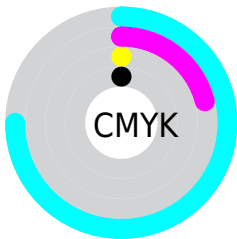
# Distribution



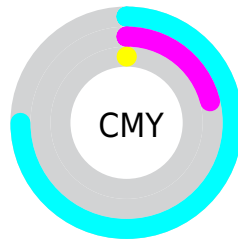
- Red (25%)
- Green (79%)
- Blue (100%)



- Red (25%)
- Yellow (57%)
- Blue (100%)



- Cyan (75%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (21%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3505, 50.5849, 102.1922 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 41.3505, 50.5849, 102.1922 by changing the saturation by 10% instead.



41.3505, 50.5849,  
102.1922

41.3505, 50.5849,  
102.1922

342.8210,  
388.9489, 588.5050

28.7819, 35.8784,  
77.5055

76.4870, 91.0409,  
166.2446

19.0594, 24.3403,  
57.1538

99.7857, 117.5591,  
206.4474

11.8174, 15.5862,  
40.7186

127.3918,  
148.7834, 252.6594

6.6908, 9.2318,  
27.7812

159.6707,  
185.0981, 305.2990

3.3141, 4.8927,  
17.9232

196.9877,  
226.8876, 364.7848

1.3220, 2.1844,  
10.7260

239.7082,

0.1996, 0.7115,

274.5363, 431.5354

5.7711

288.1975,  
328.4286, 505.9693

■ 0.0000, 0.0000,  
2.6398

■ 0.0000, 0.0000,  
0.9129

■ 41.3505, 50.5849,  
102.1922

■ 41.3505, 50.5849,  
102.1922

■ 38.3966, 46.6421,  
101.5868

■ 45.1455, 55.0774,  
102.8593

■ 36.1667, 43.1843,  
101.0370

■ 49.8690, 60.1633,  
103.5920

■ 35.1628, 41.4457,  
100.7543

■ 55.6014, 65.8865,  
104.3946

■ 62.4131, 72.2847,  
105.2706

■ 70.3679, 79.3922,  
106.2232

■ 79.5240, 87.2405,  
107.2555

■ 89.9361, 95.8589,  
108.3702

■ 95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

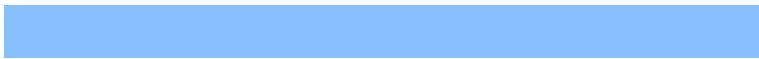
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.4459, 50.5849, 80.9313



41.3505, 50.5849, 102.1922



48.5586, 50.5849, 110.0226

# Triad

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



41.3505, 50.5849, 102.1922



64.6529, 50.5849, 53.7220



40.6070, 50.5849, 26.0856

# Complementary

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



41.3505, 50.5849, 102.1922



48.6743, 34.6013, 9.1164

# 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.



47.6035, 50.5849, 22.3726



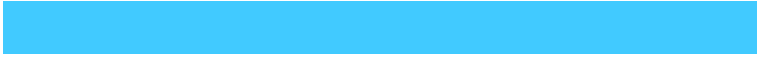
41.3505, 50.5849, 102.1922



61.9574, 50.5849, 35.4165

# Square

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



41.3505, 50.5849, 102.1922



62.5247, 50.5849, 77.9081



55.5014, 50.5849, 25.2635



36.0503, 50.5849, 37.2107



# Rectangle

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



41.3505, 50.5849, 102.1922



53.8648, 50.5849, 105.2512



55.5014, 50.5849, 25.2635



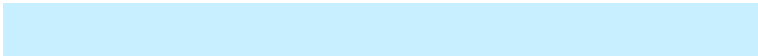
42.7239, 50.5849, 24.0890

# Sweetspot

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



41.3520, 50.5866, 102.1924



72.5459, 81.2870, 106.4741



41.0745, 73.8977, 28.5235



15.0237, 16.9601, 22.7317



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

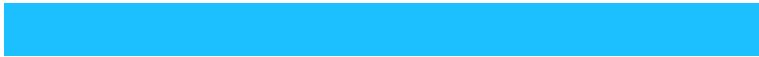


# Same Dimension

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



41.3520, 50.5866, 102.1924



37.3122, 45.0315, 101.3331



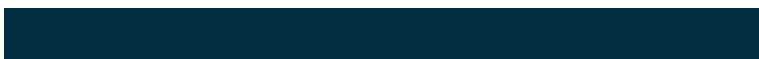
25.7363, 19.3551, 96.9872



18.1014, 19.5744, 23.0741



18.5057, 21.9209, 52.6904



1.8940, 2.3187, 5.1610



# Inverse Universe

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



53.7921, 29.3066, 58.7003



51.1367, 25.8850, 51.9912



65.4069, 68.0665, 14.6940



18.5638, 18.2088, 21.5862



26.1290, 12.9409, 25.1275

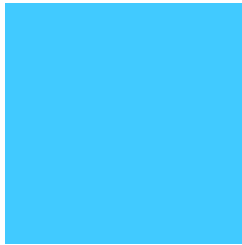


2.5906, 1.2786, 2.6916



# Previews

## White Background



This preview shows how the XYZ color 41.3505, 50.5849, 102.1922 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

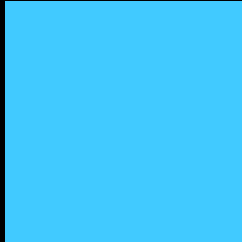
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.3505, 50.5849, 102.1922 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

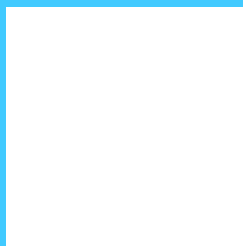
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 41.3505, 50.5849, 102.1922

## Background



This preview shows how black text looks on a background with the XYZ color 41.3505, 50.5849, 102.1922.



This preview shows how white text looks on a background with the XYZ color 41.3505, 50.5849,



# 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

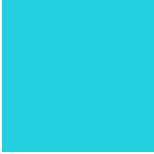
41.3505, 50.5849, 102.1922

### Protanopia

50.3892, 49.8794, 90.9763

### Deuteranopia

50.9160, 49.9173, 101.5592



## **Tritanopia**

36.4949, 50.3825, 78.3223

# Trichromacy



## Original Color

41.3505, 50.5849, 102.1922

## Protanomaly

45.0922, 48.9635, 95.0700

## Deuteranomaly

45.7341, 49.1487, 101.6840

## Tritanomaly

37.9990, 50.2651, 86.2966

# Monochromacy



## Original Color

41.3505, 50.5849, 102.1922

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

35.8360, 41.5119, 60.1567

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3505, 50.5849, 102.1922 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(65, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(65, 202, 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(65, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 202, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3505, 50.5849, 102.1922 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(65, 202, 255) }
```



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

```
.border{ border-color:rgb(65, 202, 255) }
```

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

Here you see how a box with a 4 pixel rgb(65, 202, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(65, 202,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3505, 50.5849, 102.1922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 202, 255) }
```

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

```
.background{ background-color: rgb(65, 202,  
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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