

# Converting Colors

XYZ(41.3938, 54.9037, 99.5300)

Have a look what the booklet for  
XYZ(41.3938, 54.9037, 99.5300)  
contains.

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# Color

**XYZ(41.5092, 55.0840,  
99.7113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	04D6FB
RGB	4, 214, 251
RGB Percent	2%, 84%, 98%
CMY	0.9840, 0.1608, 0.0157
CMYK	0.98, 0.15, 0.00, 0.02
HSL	189°, 97%, 50%
HSV	189°, 98%, 98%
XYZ	41.5092, 55.0840, 99.7113
YIQ	155.4280, -137.0370, -33.0130

# Conversions

## Conversions Part 2

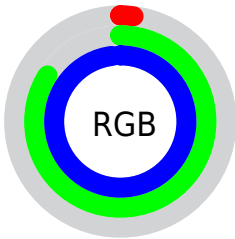
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 118, 251
Decimal	317179
CIELab	79.09, -30.52, -30.27
CIELCh	79, 42.986, 224.765
Yxy	55.0840, 0.2115, 0.2806
Android (android.graphics.Color)	4278507259 (0xFF04D6FB)
YUV	155.4280, 47.1170, -132.8024
Hunter-Lab	74.2186, -30.0505, -27.7020

# Details

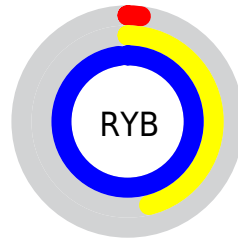
The XYZ color **41.5092, 55.0840, 99.7113** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **40.6017, 22.1090, 2.2444**, and the grayscale version is **31.1964, 32.8210, 35.7421**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **22.1357, 28.6913, 55.4102** is the 20% darker color. If you saturate the color by 10%, you get **41.3060, 54.7516, 99.6589**, and if you desaturate by 10%, it is **42.9345, 57.2491, 100.0552**.

# Distribution



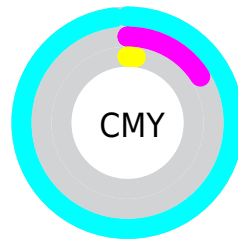
- Red (2%)
- Green (84%)
- Blue (98%)



- Red (2%)
- Yellow (46%)
- Blue (98%)



- Cyan (98%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)



- Cyan (98%)
- Magenta (16%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5092, 55.0840, 99.7113 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 41.5092, 55.0840, 99.7113 by changing the saturation by 10% instead.



41.5092, 55.0840,  
99.7113

41.5092, 55.0840,  
99.7113

343.4707,  
406.2303, 580.5054

28.9066, 39.4690,  
75.4439

76.7261, 97.6640,  
162.8088

19.1541, 27.1248,  
55.4727

100.0711,  
125.3978, 202.4760

11.8864, 17.6669,  
39.3792

127.7277,  
157.9400, 248.1135

6.7380, 10.7111,  
26.7447

160.0611,  
195.6749, 300.1400

3.3436, 5.8729,  
17.1509

197.4368,  
238.9870, 358.9739

1.3380, 2.7680,  
10.1790

240.2200,

0.2114, 1.0118,

288.2607, 425.0337

5.4107

288.7762,  
343.8803, 498.7380

■ 0.0000, 0.0000,  
2.4272

■ 0.0000, 0.0000,  
0.8012

■ 41.5092, 55.0840,  
99.7113

■ 41.5092, 55.0840,  
99.7113

■ 41.3060, 54.7516,  
99.6589

■ 42.9345, 57.2491,  
100.0552

■ 44.9438, 59.7472,  
100.4314

■ 47.6706, 62.6481,  
100.8477

■ 51.2086, 66.0006,  
101.3083

■ 55.6373, 69.8457,  
101.8170

■ 61.0265, 74.2195,  
102.3772

■ 67.4388, 79.1548,  
102.9919

■ 74.9317, 84.6811,  
103.6636

■ 83.5581, 90.8261,  
104.3951

# Harmonies

## Analogous

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



37.9875, 55.0840, 72.8220



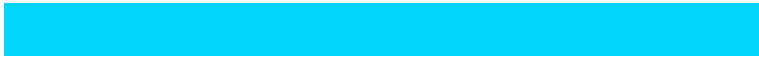
41.5092, 55.0840, 99.7113



48.1452, 55.0840, 117.9832

# Triad

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



41.5092, 55.0840, 99.7113



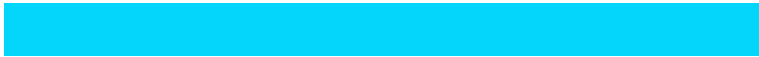
69.9124, 55.0840, 73.2479



48.2686, 55.0840, 24.9464

# Complementary

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



41.5092, 55.0840, 99.7113



40.6017, 22.1090, 2.2444

# 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.



56.8048, 55.0840, 25.0022



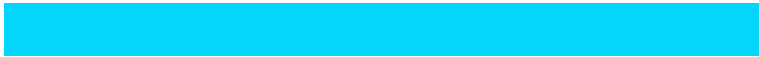
41.5092, 55.0840, 99.7113



69.9548, 55.0840, 48.7391

# Square

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



41.5092, 55.0840, 99.7113



64.8339, 55.0840, 100.0954



64.9440, 55.0840, 32.5113



41.5910, 55.0840, 32.3299

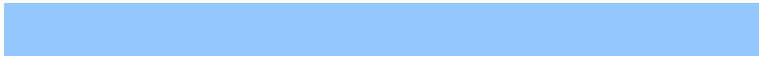


# Rectangle

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



41.5092, 55.0840, 99.7113



53.7361, 55.0840, 120.3457



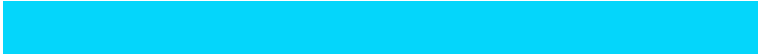
64.9440, 55.0840, 32.5113



50.9991, 55.0840, 24.1773

# Sweetspot

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



41.5110, 55.0860, 99.7127



68.7368, 81.1678, 106.6519



34.8824, 69.1550, 13.2595



14.1000, 16.9045, 22.7697



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

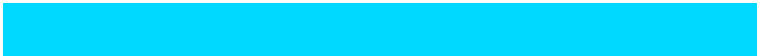


# Same Dimension

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



41.5110, 55.0860, 99.7127



42.8094, 56.7388, 103.3031



21.5210, 15.1060, 93.0493



17.5312, 19.1393, 22.1556



21.7976, 28.9509, 52.4128



2.0770, 2.7978, 4.8737



# Inverse Universe

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



51.9663, 25.4530, 65.7942



53.7374, 26.2590, 67.7405



52.4571, 45.8197, 6.1962



17.8747, 17.4772, 21.1958



27.2945, 13.3335, 34.5887

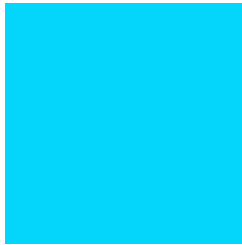


2.5573, 1.2467, 3.3582



# Previews

## White Background



This preview shows how the XYZ color 41.5092, 55.0840, 99.7113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

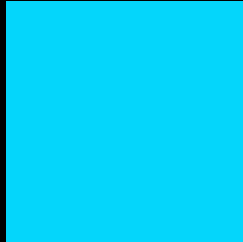
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.5092, 55.0840, 99.7113 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

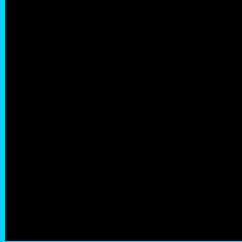
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 41.5092, 55.0840, 99.7113

## Background



This preview shows how black text looks on a background with the XYZ color 41.5092, 55.0840, 99.7113.



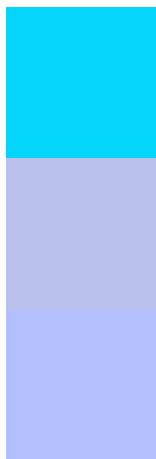
This preview shows how white text looks on a background with the XYZ color 41.5092, 55.0840,



# 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

41.5092, 55.0840, 99.7113

### Protanopia

53.9975, 54.0697, 86.9474

### Deuteranopia

55.5032, 54.1849, 102.1411



## Tritanopia

39.2638, 54.9949, 85.6365

# Trichromacy



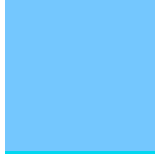
## Original Color

41.5092, 55.0840, 99.7113



## Protanomaly

44.1392, 51.5814, 90.8489



## Deuteranomaly

45.5153, 51.7156, 101.3491



## Tritanomaly

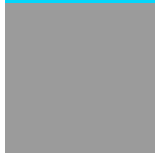
40.0411, 54.8986, 90.9242

# Monochromacy



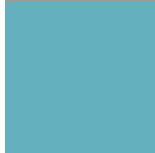
## Original Color

41.5092, 55.0840, 99.7113



## Achromatopsia

31.1553, 32.7778, 35.6950



## Achromatomaly

30.0751, 37.4777, 54.3640

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.5092, 55.0840, 99.7113 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(4, 214, 251)` looks like.

```
.text, #text, p{  
    color:rgb(4, 214, 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(4, 214, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 214, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 41.5092, 55.0840, 99.7113 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(4, 214, 251) }
```



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

```
.border{ border-color:rgb(4, 214, 251) }
```

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

Here you see how a box with a 4 pixel rgb(4, 214, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 214, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 214, 251);  
box-shadow:4px 4px 4px 4px rgb(4, 214,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.5092, 55.0840, 99.7113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 214, 251) }
```

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

```
.background{ background-color: rgb(4, 214,  
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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