

# Converting Colors

XYZ(62.9059, 59.7577,  
364.7977)

Have a look what the booklet for  
XYZ(62.9059, 59.7577, 364.7977)  
contains.

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# Color

**XYZ(41.8442, 54.8085,  
102.9814)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D5FF
RGB	0, 213, 255
RGB Percent	0%, 84%, 100%
CMY	0.9997, 0.1647, 0.0000
CMYK	1.00, 0.16, 0.00, 0.00
HSL	190°, 100%, 50%
HSV	190°, 100%, 100%
XYZ	41.8442, 54.8085, 102.9814
YIQ	154.1010, -140.4300, -32.0940

# Conversions

## Conversions Part 2

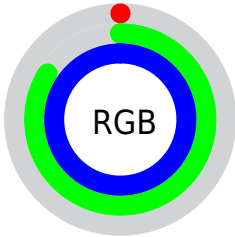
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 116, 255
Decimal	54783
CIELab	78.93, -28.82, -32.65
CIELCh	79, 43.545, 228.563
Yxy	54.8085, 0.2096, 0.2745
Android (android.graphics.Color)	4278244863 (0xFF00D5FF)
YUV	154.1010, 49.7432, -135.1466
Hunter-Lab	74.0328, -28.6670, -30.6509

# Details

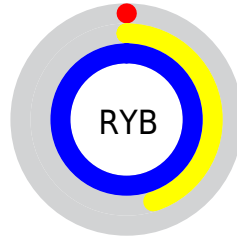
The XYZ color **41.8442, 54.8085, 102.9814** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **42.0708, 22.9209, 2.2089**, and the grayscale version is **30.6021, 32.1958, 35.0613**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **22.4199, 28.5309, 57.7514** is the 20% darker color. If you saturate the color by 10%, you get **41.8420, 54.8040, 102.9807**, and if you desaturate by 10%, it is **43.3305, 57.1648, 103.3579**.

# Distribution



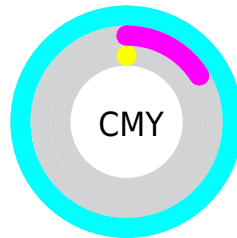
- Red (0%)
- Green (84%)
- Blue (100%)



- Red (0%)
- Yellow (45%)
- Blue (100%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8442, 54.8085, 102.9814 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 41.8442, 54.8085, 102.9814 by changing the saturation by 10% instead.



41.8442, 54.8085,  
102.9814

41.8442, 54.8085,  
102.9814

344.8393,  
405.1856, 591.0377

29.1699, 39.2484,  
78.1620

77.2304, 97.2603,  
167.3358

19.3543, 26.9530,  
57.6899

100.6730,  
124.9209, 207.7079

12.0321, 17.5380,  
41.1463

128.4358,  
157.3837, 254.1014

6.8379, 10.6188,  
28.1129

160.8841,  
195.0331, 306.9347

3.4064, 5.8111,  
18.1710

198.3832,  
238.2537, 366.6265

1.3721, 2.7306,  
10.9021

241.2986,

0.2362, 0.9927,

287.4297, 433.5952

5.8877

289.9955,  
342.9455, 508.2595

■ 0.0000, 0.0000,  
2.7092

■ 0.0000, 0.0000,  
0.9481

■ 41.8442, 54.8085,  
102.9814

■ 41.8442, 54.8085,  
102.9814

■ 41.8420, 54.8040,  
102.9807

■ 43.3305, 57.1648,  
103.3579

■ 45.3822, 59.8525,  
103.7685

■ 48.1653, 62.9584,  
104.2213

■ 51.7805, 66.5348,  
104.7211

■ 56.3126, 70.6258,  
105.2719

■ 61.8355, 75.2696,  
105.8771

■ 68.4155, 80.5007,  
106.5401

■ 76.1130, 86.3506,  
107.2635

■ 84.9838, 92.8484,  
108.0501

# Harmonies

## Analogous

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



37.8647, 54.8085, 76.1611



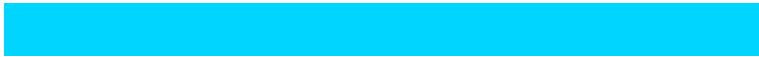
41.8442, 54.8085, 102.9814



48.8651, 54.8085, 119.5950

# Triad

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



41.8442, 54.8085, 102.9814



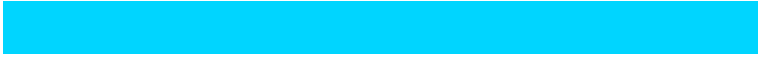
70.1545, 54.8085, 69.6288



46.9765, 54.8085, 24.9546

# Complementary

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



41.8442, 54.8085, 102.9814



42.0708, 22.9209, 2.2089

# 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.



55.4617, 54.8085, 24.1075



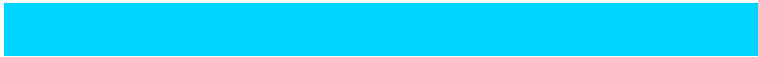
41.8442, 54.8085, 102.9814



69.5041, 54.8085, 45.7617

# Square

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



41.8442, 54.8085, 102.9814



65.5834, 54.8085, 97.0751



63.8938, 54.8085, 30.6173

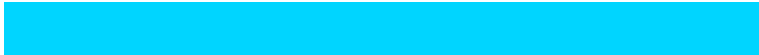


40.5937, 54.8085, 33.3794



# Rectangle

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



41.8442, 54.8085, 102.9814



54.6097, 54.8085, 120.2555



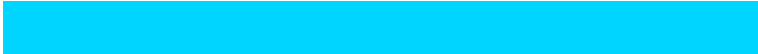
63.8938, 54.8085, 30.6173



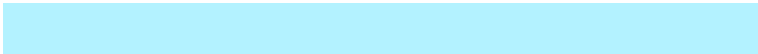
49.6564, 54.8085, 23.8815

# Sweetspot

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



41.8458, 54.8103, 102.9817



68.3956, 80.4853, 106.5381



36.1158, 71.6624, 13.7888



14.0175, 16.7395, 22.7422



0.0000, 0.0000, 0.0000

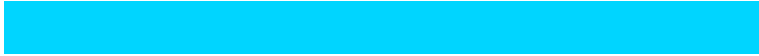


20.3446, 21.4041, 23.3091

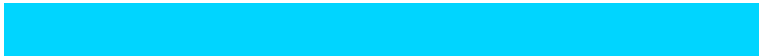


# Same Dimension

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



41.8458, 54.8103, 102.9817



41.8420, 54.8040, 102.9807



21.6480, 14.4146, 96.2491



18.2851, 19.9419, 23.1354



21.9579, 28.8253, 53.8411



2.2027, 2.9362, 5.2639



# Inverse Universe

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



53.2514, 26.0658, 65.1772



53.2491, 26.0636, 65.1691



54.8357, 48.4508, 6.4638



18.6566, 18.2459, 22.0746



27.8715, 13.6379, 34.3035



2.7464, 1.3410, 3.5122



# Previews

## White Background



This preview shows how the XYZ color 41.8442, 54.8085, 102.9814 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

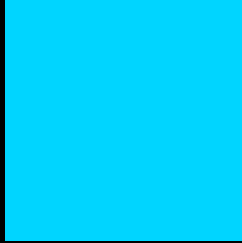
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.8442, 54.8085, 102.9814 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

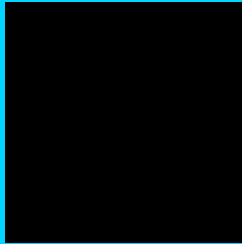
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 41.8442, 54.8085, 102.9814

## Background



This preview shows how black text looks on a background with the XYZ color 41.8442, 54.8085, 102.9814.



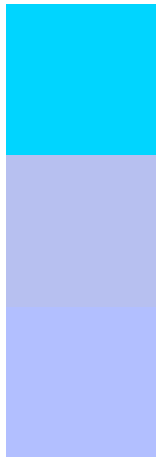
This preview shows how white text looks on a background with the XYZ color 41.8442, 54.8085,



# 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

41.8442, 54.8085, 102.9814

### Protanopia

54.1063, 54.0578, 90.0206

### Deuteranopia

55.0409, 53.9466, 102.1195



## Tritanopia

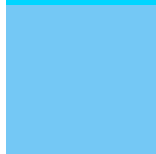
39.2638, 54.9949, 85.6365

# Trichromacy



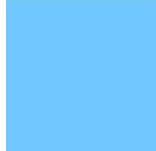
## Original Color

41.8442, 54.8085, 102.9814



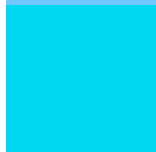
## Protanomaly

44.3382, 51.6141, 94.0119



## Deuteranomaly

45.2835, 51.5776, 102.1765



## Tritanomaly

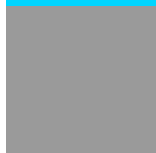
40.1776, 54.9518, 91.7083

# Monochromacy



## Original Color

41.8442, 54.8085, 102.9814



## Achromatopsia

30.7148, 32.3143, 35.1903



## Achromatomaly

29.7709, 37.0182, 54.8663

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8442, 54.8085, 102.9814 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, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 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, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8442, 54.8085, 102.9814 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, 213, 255) }
```



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

```
.border{ border-color:rgb(0, 213, 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, 213, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8442, 54.8085, 102.9814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 255) }
```

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

```
.background{ background-color: rgb(0, 213,  
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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