

# Converting Colors

XYZ(42.8305, 54.3114,  
102.8335)

Have a look what the booklet for  
XYZ(42.8305, 54.3114, 102.8335)  
contains.

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# Color

**XYZ(42.7839, 54.1830,  
102.8112)**

# Conversions

## Conversions Part 1

Format	Color
Hex	39D2FF
RGB	57, 210, 255
RGB Percent	22%, 82%, 100%
CMY	0.7764, 0.1765, 0.0000
CMYK	0.78, 0.18, 0.00, 0.00
HSL	194°, 100%, 61%
HSV	194°, 78%, 100%
XYZ	42.7839, 54.1830, 102.8112
YIQ	169.3830, -105.6330, -18.4410

# Conversions

## Conversions Part 2

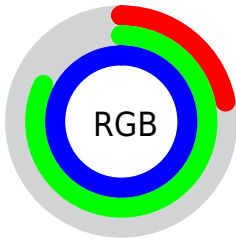
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	57, 143, 255
Decimal	3789567
CIE Lab	78.57, -24.43, -33.16
CIE LCh	79, 41.189, 233.622
Yxy	54.1830, 0.2142, 0.2712
Android (android.graphics.Color)	4281979647 (0xFF39D2FF)
YUV	169.3830, 42.2092, -98.5599
Hunter-Lab	73.6091, -25.0662, -31.2851

# Details

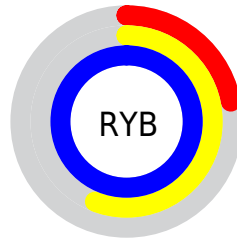
The XYZ color **42.7839, 54.1830, 102.8112** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.7316, 31.0609, 7.4053**, and the grayscale version is **37.7395, 39.7049, 43.2386**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **21.9144, 27.5199, 57.5829** is the 20% darker color. If you saturate the color by 10%, you get **40.2729, 50.8036, 102.2912**, and if you desaturate by 10%, it is **46.0789, 58.0455, 103.3830**.

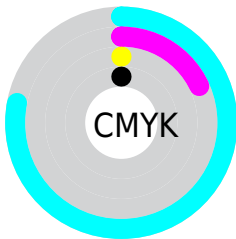
# Distribution



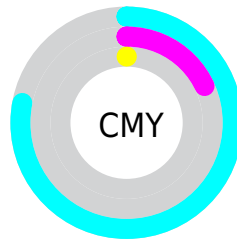
- Red (22%)
- Green (82%)
- Blue (100%)



- Red (22%)
- Yellow (56%)
- Blue (100%)



- Cyan (78%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (78%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7839, 54.1830, 102.8112 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 42.7839, 54.1830, 102.8112 by changing the saturation by 10% instead.



42.7839, 54.1830,  
102.8112

42.7839, 54.1830,  
102.8112

348.6589,  
402.8075, 590.4920

29.9094, 38.7480,  
78.0204

78.6424, 96.3429,  
167.1005

19.9175, 26.5637,  
57.5742

102.3571,  
123.8366, 207.4362

12.4430, 17.2458,  
41.0540

130.4159,  
156.1186, 253.7906

7.1205, 10.4099,  
28.0413

163.1842,  
193.5733, 306.5822

3.5846, 5.6716,  
18.1175

201.0272,  
236.5852, 366.2296

1.4699, 2.6464,  
10.8640

244.3105,

0.3052, 0.9501,

285.5385, 433.1514

5.8625

293.3992,  
340.8178, 507.7660

■ 0.0000, 0.0000,  
2.6942

■ 0.0000, 0.0000,  
0.9405

■ 42.7839, 54.1830,  
102.8112

■ 42.7839, 54.1830,  
102.8112

■ 40.2729, 50.8036,  
102.2912

■ 46.0789, 58.0455,  
103.3830

■ 38.4136, 47.8354,  
101.8163

■ 50.2498, 62.4362,  
104.0107

■ 38.0263, 47.1726,  
101.7088

■ 55.3803, 67.4001,  
104.6984

■ 61.5426, 72.9752,  
105.4497

■ 68.8018, 79.1958,  
106.2678

■ 77.2176, 86.0934,  
107.1556

■ 86.8451, 93.6972,  
108.1159

■ 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.



38.4793, 54.1830, 78.7865



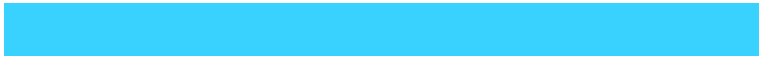
42.7839, 54.1830, 102.8112



49.7846, 54.1830, 115.5183

# Triad

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



42.7839, 54.1830, 102.8112



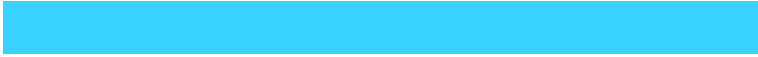
68.6244, 54.1830, 64.1032



45.4935, 54.1830, 26.7819

# Complementary

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



42.7839, 54.1830, 102.8112



46.7316, 31.0609, 7.4053

# 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.



53.2530, 54.1830, 24.7842



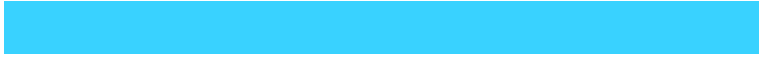
42.7839, 54.1830, 102.8112



67.1677, 54.1830, 42.8327

# Square

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



42.7839, 54.1830, 102.8112



65.1188, 54.1830, 89.6854



61.3246, 54.1830, 29.8238



39.9249, 54.1830, 36.2530



# Rectangle

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



42.7839, 54.1830, 102.8112



55.2644, 54.1830, 113.9896



61.3246, 54.1830, 29.8238



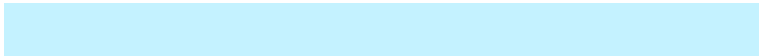
47.9093, 54.1830, 25.3386

# Sweetspot

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



42.7855, 54.1848, 102.8114



72.5602, 82.3108, 106.6710



39.7443, 73.3087, 24.0897



14.9000, 17.0962, 22.7645



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

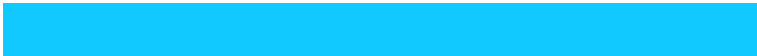


# Same Dimension

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



42.7855, 54.1848, 102.8114



39.2069, 49.1676, 102.0316



25.6558, 19.9255, 97.1015



18.1842, 19.7400, 23.1017



19.9874, 24.8844, 53.1843



2.0276, 2.5859, 5.2055



# Inverse Universe

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



54.3371, 28.8411, 63.6775



52.0084, 25.9096, 57.5806



62.3804, 62.3585, 12.6216



18.6056, 18.2256, 21.8063



26.8769, 13.2401, 29.0661

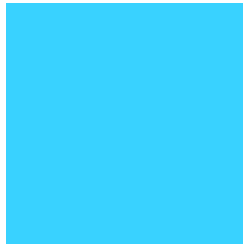


2.6580, 1.3056, 3.0466



# Previews

## White Background



This preview shows how the XYZ color 42.7839, 54.1830, 102.8112 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

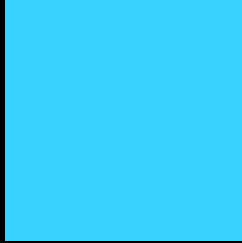
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.7839, 54.1830, 102.8112 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 42.7839, 54.1830, 102.8112**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7839, 54.1830, 102.8112.



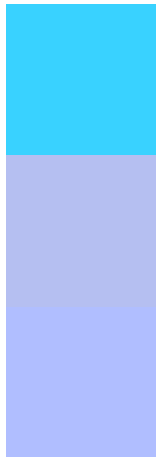
This preview shows how white text looks on a background with the XYZ color 42.7839, 54.1830,



# 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

42.7839, 54.1830, 102.8112

### Protanopia

53.5640, 53.4362, 90.7102

### Deuteranopia

54.3680, 53.2770, 102.0257



## Tritanopia

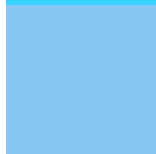
39.0058, 54.1387, 83.9953

# Trichromacy



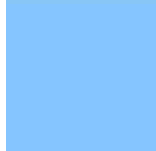
## Original Color

42.7839, 54.1830, 102.8112



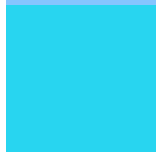
## Protanomaly

46.9820, 52.2762, 94.8029



## Deuteranomaly

47.6891, 52.1391, 102.1581



## Tritanomaly

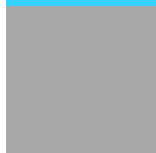
40.3975, 54.3309, 90.7958

# Monochromacy



## Original Color

42.7839, 54.1830, 102.8112



## Achromatopsia

37.7116, 39.6755, 43.2066



## Achromatomaly

36.4679, 43.0403, 61.0291

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7839, 54.1830, 102.8112 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(57, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(57, 210, 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(57, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 210, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7839, 54.1830, 102.8112 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(57, 210, 255) }
```



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

```
.border{ border-color:rgb(57, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(57, 210,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7839, 54.1830, 102.8112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 210, 255) }
```

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

```
.background{ background-color: rgb(57, 210,  
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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