

# Converting Colors

XYZ(42.4136, 52.3178,  
102.4703)

Have a look what the booklet for  
XYZ(42.4136, 52.3178, 102.4703)  
contains.

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# Color

**XYZ(42.3356, 52.1479,  
102.4420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45CDFF
RGB	69, 205, 255
RGB Percent	27%, 80%, 100%
CMY	0.7294, 0.1961, 0.0000
CMYK	0.73, 0.20, 0.00, 0.00
HSL	196°, 100%, 64%
HSV	196°, 73%, 100%
XYZ	42.3356, 52.1479, 102.4420
YIQ	170.0360, -97.1060, -13.2820

# Conversions

## Conversions Part 2

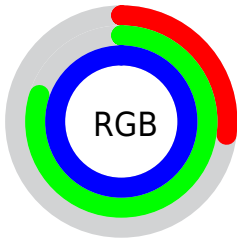
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	69, 148, 255
Decimal	4574719
CIE Lab	77.37, -20.60, -34.99
CIE LCh	77, 40.609, 239.512
Yxy	52.1479, 0.2150, 0.2648
Android (android.graphics.Color)	4282764799 (0xFF45CDFF)
YUV	170.0360, 41.8873, -88.6086
Hunter-Lab	72.2135, -21.7269, -33.5593

# Details

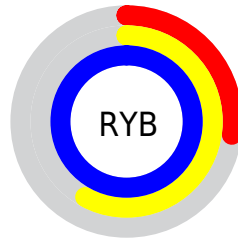
The XYZ color **42.3356, 52.1479, 102.4420** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **48.9127, 34.8860, 9.7881**, and the grayscale version is **38.0615, 40.0436, 43.6075**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **21.2597, 26.2104, 57.3647** is the 20% darker color. If you saturate the color by 10%, you get **39.2958, 48.2005, 101.8403**, and if you desaturate by 10%, it is **46.2268, 56.6428, 103.1045**.

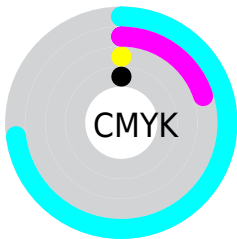
# Distribution



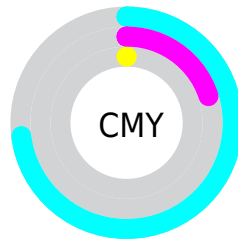
- Red (27%)
- Green (80%)
- Blue (100%)



- Red (27%)
- Yellow (58%)
- Blue (100%)



- Cyan (73%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (73%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3356, 52.1479, 102.4420 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 42.3356, 52.1479, 102.4420 by changing the saturation by 10% instead.



42.3356, 52.1479,  
102.4420

42.3356, 52.1479,  
102.4420

346.8403,  
395.0073, 589.3073

29.5564, 37.1230,  
77.7133

77.9693, 93.3493,  
166.5901

19.6485, 25.3027,  
57.3234

101.5545,  
120.2946, 206.8465

12.2466, 16.3027,  
40.8539

129.4724,  
151.9822, 253.1160

6.9852, 9.7386,  
27.8861

162.0884,  
188.7963, 305.8170

3.4991, 5.2260,  
18.0015

199.7678,  
231.1215, 365.3681

1.4229, 2.3805,  
10.7816

242.8760,

0.2724, 0.8158,

279.3422, 432.1878

5.8079

291.7784,  
333.8426, 506.6947

■ 0.0000, 0.0000,  
2.6617

■ 0.0000, 0.0000,  
0.9241

■ 42.3356, 52.1479,  
102.4420

■ 42.3356, 52.1479,  
102.4420

■ 39.2958, 48.2005,  
101.8403

■ 46.2268, 56.6428,  
103.1045

■ 36.9944, 44.7382,  
101.2933

■ 51.0542, 61.7273,  
103.8315

■ 35.7040, 42.5279,  
100.9347

■ 56.8966, 67.4443,  
104.6270

■ 63.8232, 73.8308,  
105.4947

71.8965, 80.9203,  
106.4376

81.1744, 88.7438,  
107.4587

91.7104, 97.3302,  
108.5607

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

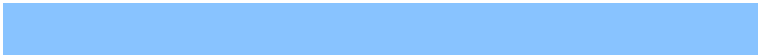
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.6207, 52.1479, 80.6868



42.3356, 52.1479, 102.4420



49.4373, 52.1479, 111.4995

# Triad

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



42.3356, 52.1479, 102.4420



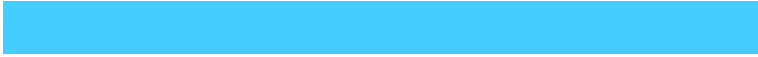
66.1333, 52.1479, 57.1472



42.5353, 52.1479, 26.9937

# Complementary

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



42.3356, 52.1479, 102.4420



48.9127, 34.8860, 9.7881

# 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.



49.6930, 52.1479, 23.7389



42.3356, 52.1479, 102.4420



63.8025, 52.1479, 38.1343

# Square

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



42.3356, 52.1479, 102.4420



63.6513, 52.1479, 81.4912



57.5739, 52.1479, 27.2173



37.7272, 52.1479, 37.6499



# Rectangle

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



42.3356, 52.1479, 102.4420



54.7471, 52.1479, 107.6769



57.5739, 52.1479, 27.2173



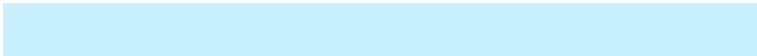
44.7207, 52.1479, 25.1447

# Sweetspot

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



42.3372, 52.1497, 102.4422



72.7129, 81.6210, 106.5298



41.5216, 74.1082, 29.4460



15.0635, 17.0395, 22.7450



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.



42.3372, 52.1497, 102.4422



38.0458, 46.3905, 101.5568



26.3447, 20.1648, 97.1114



18.1176, 19.6068, 23.0795



18.7859, 22.4814, 52.7838



1.9194, 2.3695, 5.1695



# Inverse Universe

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



54.3887, 29.9258, 60.6690



51.5334, 26.1447, 53.7685



65.7590, 68.5786, 15.4035



18.5720, 18.2121, 21.6293



26.2705, 12.9975, 25.8725



2.6034, 1.2837, 2.7591



# Previews

## White Background



This preview shows how the XYZ color 42.3356, 52.1479, 102.4420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

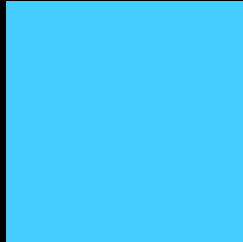
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.3356, 52.1479, 102.4420 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

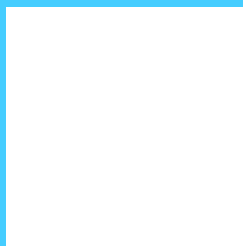
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 42.3356, 52.1479, 102.4420

## Background



This preview shows how black text looks on a background with the XYZ color 42.3356, 52.1479, 102.4420.



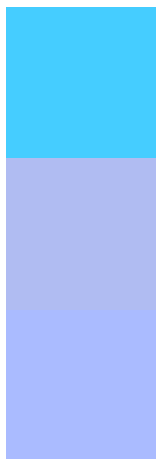
This preview shows how white text looks on a background with the XYZ color 42.3356, 52.1479,



# 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

42.3356, 52.1479, 102.4420

### Protanopia

51.9147, 51.6074, 91.2294

### Deuteranopia

52.3979, 51.3067, 101.7493



## Tritanopia

38.0384, 52.2201, 80.7477

# Trichromacy



## Original Color

42.3356, 52.1479, 102.4420

## Protanomaly

46.3968, 50.6173, 95.3204

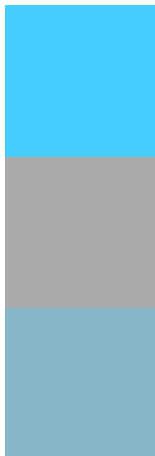
## Deuteranomaly

47.0147, 50.7901, 101.9333

## Tritanomaly

39.3633, 52.0104, 88.0851

# Monochromacy



## Original Color

42.3356, 52.1479, 102.4420

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

37.1490, 43.0706, 61.6138

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3356, 52.1479, 102.4420 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(69, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(69, 205, 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(69, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 205, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3356, 52.1479, 102.4420 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(69, 205, 255) }
```



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

```
.border{ border-color:rgb(69, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(69, 205,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3356, 52.1479, 102.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 205, 255) }
```

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

```
.background{ background-color: rgb(69, 205,  
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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