

# Converting Colors

XYZ(43.3839, 55.8612,  
103.1035)

Have a look what the booklet for  
XYZ(43.3839, 55.8612, 103.1035)  
contains.

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# Color

**XYZ(43.4618, 56.0169,  
103.1294)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33D6FF
RGB	51, 214, 255
RGB Percent	20%, 84%, 100%
CMY	0.7999, 0.1608, 0.0000
CMYK	0.80, 0.16, 0.00, 0.00
HSL	192°, 100%, 60%
HSV	192°, 80%, 100%
XYZ	43.4618, 56.0169, 103.1294
YIQ	169.9370, -110.3090, -21.8050

# Conversions

## Conversions Part 2

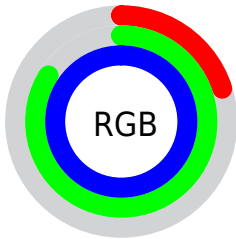
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	51, 142, 255
Decimal	3397375
CIE Lab	79.62, -26.96, -31.55
CIE LCh	80, 41.499, 229.477
Yxy	56.0169, 0.2145, 0.2765
Android (android.graphics.Color)	4281587455 (0xFF33D6FF)
YUV	169.9370, 41.9361, -104.3077
Hunter-Lab	74.8444, -27.3237, -29.3056

# Details

The XYZ color **43.4618, 56.0169, 103.1294** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.6665, 29.1563, 6.3550**, and the grayscale version is **38.0176, 39.9975, 43.5572**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **22.5912, 28.8735, 57.8085** is the 20% darker color. If you saturate the color by 10%, you get **41.2343, 52.9742, 102.6595**, and if you desaturate by 10%, it is **46.4368, 59.5076, 103.6464**.

# Distribution



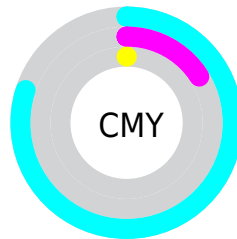
- Red (20%)
- Green (84%)
- Blue (100%)



- Red (20%)
- Yellow (56%)
- Blue (100%)



- Cyan (80%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4618, 56.0169, 103.1294 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 43.4618, 56.0169, 103.1294 by changing the saturation by 10% instead.



43.4618, 56.0169,  
103.1294

43.4618, 56.0169,  
103.1294

351.3969,  
409.7552, 591.5120

30.4437, 40.2165,  
78.2852

79.6586, 99.0293,  
167.5403

20.3254, 27.7074,  
57.7904

103.5681,  
127.0100, 207.9442

12.7414, 18.1052,  
41.2266

131.8387,  
159.8197, 254.3716

7.3265, 11.0255,  
28.1752

164.8359,  
197.8426, 307.2412

3.7152, 6.0840,  
18.2176

202.9249,  
241.4632, 366.9715

1.5423, 2.8962,  
10.9352

246.4712,

0.3544, 1.0778,

291.0660, 433.9811

5.9097

295.8401,  
347.0351, 508.6884

■ 0.0000, 0.0000,  
2.7223

■ 0.0000, 0.0000,  
0.9546

■ 43.4618, 56.0169,  
103.1294

■ 43.4618, 56.0169,  
103.1294

■ 41.2343, 52.9742,  
102.6595

■ 46.4368, 59.5076,  
103.6464

■ 39.5843, 50.2883,  
102.2280

■ 50.2554, 63.4933,  
104.2144

■ 39.5832, 50.2863,  
102.2277

■ 55.0040, 68.0201,  
104.8379

■ 60.7568, 73.1268,  
105.5204

■ 67.5802, 78.8481,  
106.2651

■ 75.5350, 85.2159,  
107.0749

■ 84.6769, 92.2594,  
107.9526

■ 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.



39.4744, 56.0169, 77.6748



43.4618, 56.0169, 103.1294



50.3591, 56.0169, 118.4067

# Triad

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



43.4618, 56.0169, 103.1294



70.6707, 56.0169, 69.7968



48.0582, 56.0169, 27.0602

# Complementary

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



43.4618, 56.0169, 103.1294



45.6665, 29.1563, 6.3550

# 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.



56.2337, 56.0169, 25.9920



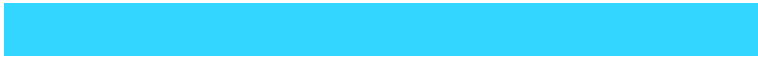
43.4618, 56.0169, 103.1294



69.8887, 56.0169, 46.8887

# Square

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



43.4618, 56.0169, 103.1294



66.4265, 56.0169, 96.0799



64.3901, 56.0169, 32.2539



41.9295, 56.0169, 35.6945



# Rectangle

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



43.4618, 56.0169, 103.1294



55.9345, 56.0169, 118.6340



64.3901, 56.0169, 32.2539



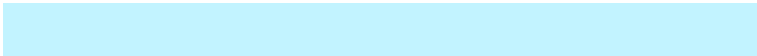
50.6381, 56.0169, 25.9094

# Sweetspot

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



43.4635, 56.0188, 103.1297



72.2076, 82.5844, 106.7424



39.0499, 72.9938, 22.1140



14.8559, 17.1949, 22.7859



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

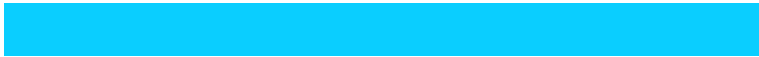


# Same Dimension

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



43.4635, 56.0188, 103.1297



40.2005, 51.3315, 102.3969



25.2339, 19.5598, 97.0532



18.2265, 19.8247, 23.1159



20.7919, 26.4934, 53.4525



2.0994, 2.7295, 5.2295



# Inverse Universe

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



54.5626, 28.4845, 66.2424



52.4668, 25.9279, 60.5036



61.0865, 59.9963, 11.4950



18.6270, 18.2341, 21.9189



27.2830, 13.4025, 31.2044

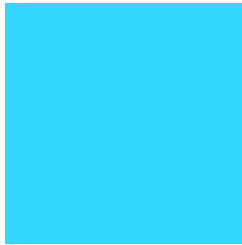


2.6943, 1.3201, 3.2375



# Previews

## White Background



This preview shows how the XYZ color 43.4618, 56.0169, 103.1294 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

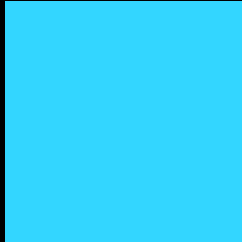
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.4618, 56.0169, 103.1294 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 43.4618, 56.0169, 103.1294

## Background



This preview shows how black text looks on a background with the XYZ color 43.4618, 56.0169, 103.1294.



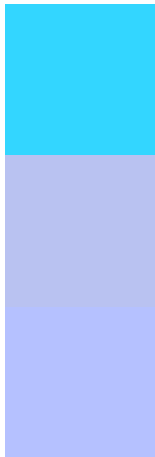
This preview shows how white text looks on a background with the XYZ color 43.4618, 56.0169,



# 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

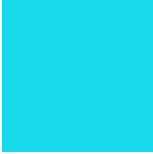
43.4618, 56.0169, 103.1294

### Protanopia

55.1766, 55.2487, 90.9750

### Deuteranopia

56.1760, 55.1837, 102.2985



## Tritanopia

40.1616, 55.8060, 87.2522

# Trichromacy



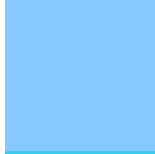
## Original Color

43.4618, 56.0169, 103.1294



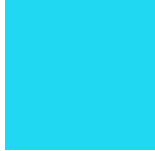
## Protanomaly

47.6745, 53.6613, 95.0337



## Deuteranomaly

48.7682, 54.0616, 102.4723



## Tritanomaly

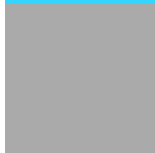
41.2101, 55.8459, 92.6117

# Monochromacy



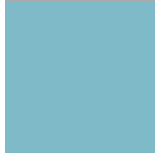
## Original Color

43.4618, 56.0169, 103.1294



## Achromatopsia

38.2080, 40.1978, 43.7754



## Achromatomaly

36.8539, 43.8469, 61.7792

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.4618, 56.0169, 103.1294 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(51, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 214, 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(51, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 214, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 43.4618, 56.0169, 103.1294 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(51, 214, 255) }
```



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

```
.border{ border-color:rgb(51, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 214,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.4618, 56.0169, 103.1294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 214, 255) }
```

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

```
.background{ background-color: rgb(51, 214,  
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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