

# Converting Colors

XYZ(43.5998, 56.2929,  
103.1754)

Have a look what the booklet for  
XYZ(43.5998, 56.2929, 103.1754)  
contains.

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# Color

**XYZ(43.7157, 56.5247,  
103.2140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33D7FF
RGB	51, 215, 255
RGB Percent	20%, 84%, 100%
CMY	0.7999, 0.1569, 0.0000
CMYK	0.80, 0.16, 0.00, 0.00
HSL	192°, 100%, 60%
HSV	192°, 80%, 100%
XYZ	43.7157, 56.5247, 103.2140
YIQ	170.5240, -110.5840, -22.3280

# Conversions

## Conversions Part 2

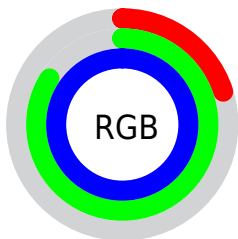
Format	Color
R <sub>YB</sub>	51, 142, 255
Decimal	3397631
CIE <sub>Lab</sub>	79.91, -27.46, -31.10
CIE <sub>LCh</sub>	80, 41.488, 228.562
Y <sub>xy</sub>	56.5247, 0.2149, 0.2778
Android (android.graphics.Color)	4281587711 (0xFF33D7FF)
YUV	170.5240, 41.6467, -104.8225
Hunter-Lab	75.1829, -27.7799, -28.7676

# Details

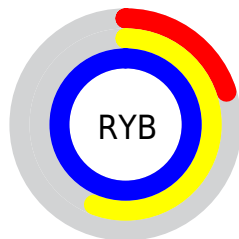
The XYZ color **43.7157, 56.5247, 103.2140** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.5805, 28.9842, 6.3263**, and the grayscale version is **38.3114, 40.3066, 43.8939**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **22.7638, 29.2188, 57.8661** is the 20% darker color. If you saturate the color by 10%, you get **41.5111, 53.5279, 102.7518**, and if you desaturate by 10%, it is **46.6659, 59.9658, 103.7227**.

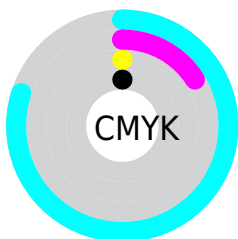
# Distribution



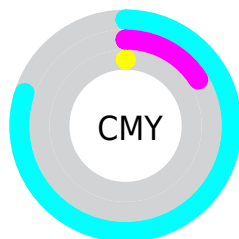
- Red (20%)
- Green (84%)
- Blue (100%)



- 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 43.7157, 56.5247, 103.2140 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 43.7157, 56.5247, 103.2140 by changing the saturation by 10% instead.



43.7157, 56.5247,  
103.2140

43.7157, 56.5247,  
103.2140

352.4187,  
411.6659, 591.7831

30.6440, 40.6238,  
78.3556

80.0388, 99.7713,  
167.6573

20.4784, 28.0252,  
57.8480

104.0209,  
127.8858, 208.0792

12.8536, 18.3447,  
41.2725

132.3705,  
160.8403, 254.5260

7.4041, 11.1977,  
28.2108

165.4530,  
199.0191, 307.4164

3.7646, 6.2000,  
18.2442

203.6337,  
242.8067, 367.1687

1.5699, 2.9671,  
10.9542

247.2780,

0.3726, 1.1146,

292.5874, 434.2016

5.9223

296.7512,  
348.7457, 508.9335

■ 0.0000, 0.0000,  
2.7298

■ 0.0000, 0.0000,  
0.9584

■ 43.7157, 56.5247,  
103.2140

■ 43.7157, 56.5247,  
103.2140

■ 41.5111, 53.5279,  
102.7518

■ 46.6659, 59.9658,  
103.7227

■ 39.8822, 50.8840,  
102.3273

■ 50.4577, 63.8980,  
104.2819

■ 39.8810, 50.8821,  
102.3270

■ 55.1776, 68.3674,  
104.8958

■ 60.8998, 73.4127,  
105.5681

■ 67.6906, 79.0687,  
106.3019

■ 75.6106, 85.3670,  
107.1001

■ 84.7158, 92.3370,  
107.9656

■ 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.



39.8042, 56.5247, 77.5009



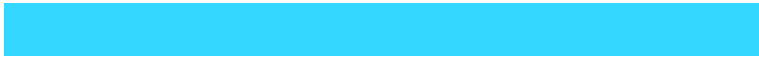
43.7157, 56.5247, 103.2140



50.5809, 56.5247, 119.0288

# Triad

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



43.7157, 56.5247, 103.2140



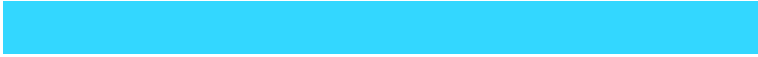
71.1890, 56.5247, 71.1966



48.7389, 56.5247, 27.2486

# Complementary

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



43.7157, 56.5247, 103.2140



45.5805, 28.9842, 6.3263

# 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.



56.9968, 56.5247, 26.3924



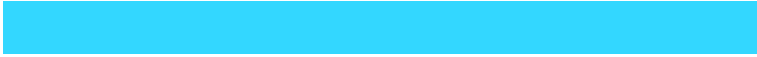
43.7157, 56.5247, 103.2140



70.5633, 56.5247, 47.9461

# Square

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



43.7157, 56.5247, 103.2140



66.7859, 56.5247, 97.5748



65.1563, 56.5247, 32.9407



42.4887, 56.5247, 35.6973



# Rectangle

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



43.7157, 56.5247, 103.2140



56.1693, 56.5247, 119.6566



65.1563, 56.5247, 32.9407



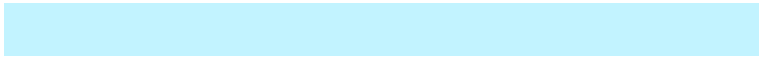
51.3527, 56.5247, 26.1634

# Sweetspot

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



43.7174, 56.5266, 103.2143



72.2973, 82.7639, 106.7723



38.9049, 72.9358, 21.3506



14.8777, 17.2386, 22.7932



0.0000, 0.0000, 0.0000

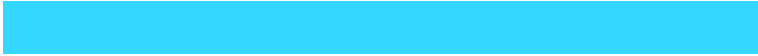


20.3446, 21.4041, 23.3091

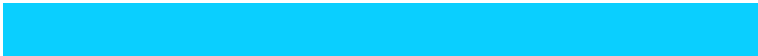


# Same Dimension

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



43.7174, 56.5266, 103.2143



40.4902, 51.9109, 102.4935



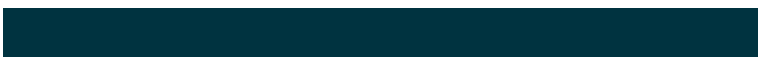
25.6171, 20.3261, 97.1809



18.2344, 19.8405, 23.1185



20.9458, 26.8011, 53.5038



2.1131, 2.7569, 5.2340



# Inverse Universe

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



54.6908, 28.5358, 66.9173



52.6131, 25.9864, 61.2736



60.3395, 58.5023, 11.2460



18.6310, 18.2357, 21.9399



27.3606, 13.4336, 31.6133

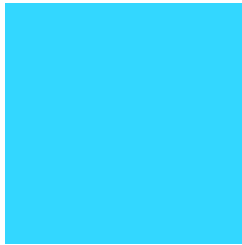


2.7012, 1.3229, 3.2739



# Previews

## White Background



This preview shows how the XYZ color 43.7157, 56.5247, 103.2140 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

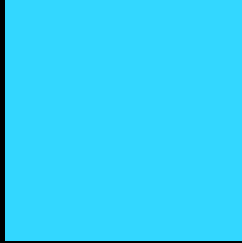
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7157, 56.5247, 103.2140 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 43.7157, 56.5247, 103.2140

## Background



This preview shows how black text looks on a background with the XYZ color 43.7157, 56.5247, 103.2140.



This preview shows how white text looks on a background with the XYZ color 43.7157, 56.5247,



# 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

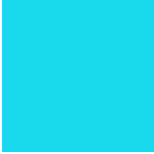
43.7157, 56.5247, 103.2140

### Protanopia

55.4930, 55.7606, 90.2762

### Deuteranopia

56.6332, 55.7487, 102.3834



## **Tritanopia**

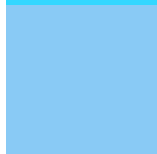
40.6126, 56.4056, 88.1037

# Trichromacy



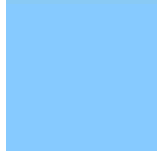
## Original Color

43.7157, 56.5247, 103.2140



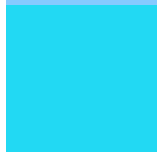
## Protanomaly

47.9185, 54.1520, 94.3130



## Deuteranomaly

49.0020, 54.5294, 102.5503



## Tritanomaly

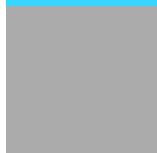
41.6502, 56.4369, 93.4922

# Monochromacy



## Original Color

43.7157, 56.5247, 103.2140



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

37.1834, 44.3169, 62.4714

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7157, 56.5247, 103.2140 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, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 215, 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, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 215, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7157, 56.5247, 103.2140 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, 215, 255) }
```



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

```
.border{ border-color:rgb(51, 215, 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, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 215,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7157, 56.5247, 103.2140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 215, 255) }
```

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

```
.background{ background-color: rgb(51, 215,  
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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