

# Converting Colors

XYZ(42.4136, 55.2427, 96.6545)

Have a look what the booklet for  
XYZ(42.4136, 55.2427, 96.6545)  
contains.

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# Color

**XYZ(42.3864, 55.2337,  
96.4229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3BD5F7
RGB	59, 213, 247
RGB Percent	23%, 84%, 97%
CMY	0.7686, 0.1647, 0.0314
CMYK	0.76, 0.14, 0.00, 0.03
HSL	191°, 92%, 60%
HSV	191°, 76%, 97%
XYZ	42.3864, 55.2337, 96.4229
YIQ	170.8300, -102.6980, -22.0740

# Conversions

## Conversions Part 2

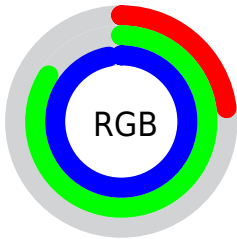
Format	Color
R <sub>YB</sub>	59, 144, 247
Decimal	3921399
CIE Lab	79.18, -28.24, -27.96
CIE LCh	79, 39.741, 224.721
Yxy	55.2337, 0.2184, 0.2846
Android (android.graphics.Color)	4282111479 (0xFF3BD5F7)
YUV	170.8300, 37.5518, -98.0749
Hunter-Lab	74.3194, -28.2554, -24.9000

# Details

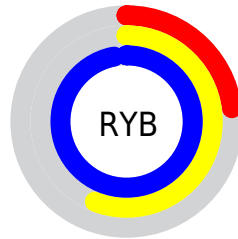
The XYZ color **42.3864, 55.2337, 96.4229** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **43.0636, 27.9214, 7.2594**, and the grayscale version is **38.4808, 40.4848, 44.0879**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **21.6308, 28.2153, 53.5962** is the 20% darker color. If you saturate the color by 10%, you get **40.1455, 52.4344, 96.0017**, and if you desaturate by 10%, it is **45.3536, 58.4556, 96.8895**.

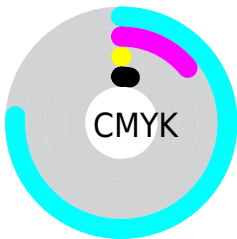
# Distribution



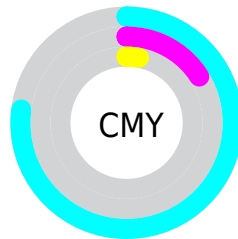
- Red (23%)
- Green (84%)
- Blue (97%)



- Red (23%)
- Yellow (56%)
- Blue (97%)



- Cyan (76%)
- Magenta (14%)
- Yellow (0%)
- Black (3%)



- Cyan (77%)
- Magenta (16%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3864, 55.2337, 96.4229 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 42.3864, 55.2337, 96.4229 by changing the saturation by 10% instead.



42.3864, 55.2337,  
96.4229

42.3864, 55.2337,  
96.4229

347.0467,  
406.7972, 569.8106

29.5964, 39.5889,  
72.7164

78.0456, 97.8833,  
158.2414

19.6790, 27.2181,  
53.2537

101.6455,  
125.6568, 197.1905

12.2688, 17.7371,  
37.6162

129.5794,  
158.2420, 242.0575

7.0005, 10.7614,  
25.3854

162.2127,  
196.0233, 293.2610

3.5088, 5.9066,  
16.1428

199.9107,  
239.3851, 351.2195

1.4282, 2.7884,  
9.4698

243.0388,

0.2762, 1.0223,

288.7117, 416.3516

4.9479

291.9623,  
344.3876, 489.0757

■ 0.0000, 0.0000,  
2.1585

■ 0.0000, 0.0000,  
0.6503

■ 42.3864, 55.2337,  
96.4229

■ 42.3864, 55.2337,  
96.4229

■ 40.1455, 52.4344,  
96.0017

■ 45.3536, 58.4556,  
96.8895

■ 38.5182, 49.9958,  
95.6168

■ 49.1283, 62.1389,  
97.4015

■ 37.9867, 49.1114,  
95.4741

■ 53.7863, 66.3243,  
97.9638

■ 59.3930, 71.0459,  
98.5797

66.0076, 76.3343,  
99.2518

73.6842, 82.2180,  
99.9829

82.4731, 88.7231,  
100.7753

91.8242, 95.5664,  
101.6033

93.2195, 98.3571,  
102.0684

# Harmonies

## Analogous

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



39.0813, 55.2337, 71.9406



42.3864, 55.2337, 96.4229



48.5792, 55.2337, 112.9040

# Triad

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



42.3864, 55.2337, 96.4229



68.6337, 55.2337, 72.4050



48.7157, 55.2337, 27.0058

# Complementary

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



42.3864, 55.2337, 96.4229



43.0636, 27.9214, 7.2594

# 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.



56.6220, 55.2337, 27.0704



42.3864, 55.2337, 96.4229



68.6797, 55.2337, 49.7062

# Square

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



42.3864, 55.2337, 96.4229



63.9819, 55.2337, 96.8359



64.1019, 55.2337, 34.3362



42.4776, 55.2337, 34.1294

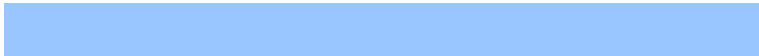


# Rectangle

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



42.3864, 55.2337, 96.4229



53.7637, 55.2337, 115.0422



64.1019, 55.2337, 34.3362



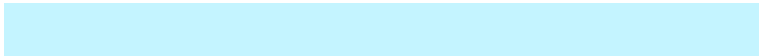
51.2523, 55.2337, 26.2586

# Sweetspot

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



42.3882, 55.2357, 96.4243



73.3751, 83.9408, 106.9426



36.9259, 68.1967, 20.9674



15.0998, 17.4957, 22.8311



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

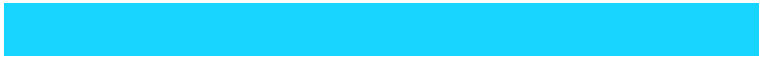


# Same Dimension

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



42.3882, 55.2357, 96.4243



42.2046, 55.0063, 103.0006



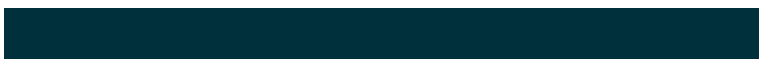
25.5132, 21.4857, 90.7992



16.7269, 18.2182, 21.1774



20.1858, 26.1653, 50.5245



1.8391, 2.4296, 4.4623



# Inverse Universe

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



51.9336, 27.7081, 65.5637



53.5597, 26.6765, 65.2985



56.3591, 54.5124, 11.6912



17.0775, 16.7139, 20.1547



25.9934, 12.7408, 31.0031

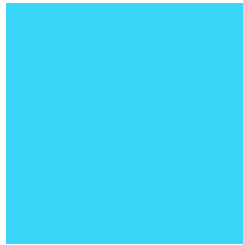


2.3173, 1.1329, 2.8975



# Previews

## White Background



This preview shows how the XYZ color 42.3864, 55.2337, 96.4229 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

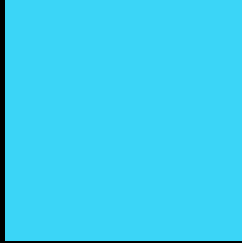
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.3864, 55.2337, 96.4229 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 42.3864, 55.2337, 96.4229**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.3864, 55.2337, 96.4229.



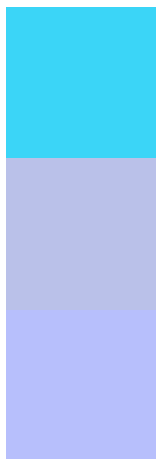
This preview shows how white text looks on a background with the XYZ color 42.3864, 55.2337,



# 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

42.3864, 55.2337, 96.4229

### Protanopia

54.0276, 54.4622, 84.7555

### Deuteranopia

55.7299, 54.3572, 99.6502



## Tritanopia

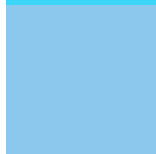
40.1351, 55.0649, 85.6040

# Trichromacy



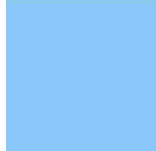
## Original Color

42.3864, 55.2337, 96.4229



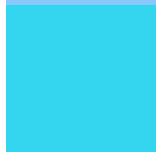
## Protanomaly

46.9021, 53.0570, 88.6580



## Deuteranomaly

48.1600, 53.1522, 98.1636



## Tritanomaly

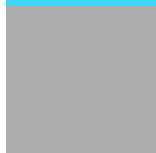
40.8444, 54.9700, 89.3465

# Monochromacy



## Original Color

42.3864, 55.2337, 96.4229



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

37.0736, 43.9872, 60.5692

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3864, 55.2337, 96.4229 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(59, 213, 247)` looks like.

```
.text, #text, p{  
    color:rgb(59, 213, 247)  
}
```

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(59, 213, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 213, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3864, 55.2337, 96.4229 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(59, 213, 247) }
```



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

```
.border{ border-color:rgb(59, 213, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 213, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 213, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 213, 247);  
box-shadow:4px 4px 4px 4px rgb(59, 213,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3864, 55.2337, 96.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 213, 247) }
```

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

```
.background{ background-color: rgb(59, 213,  
247) }
```

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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