

# Converting Colors

XYZ(55.0642, 79.3655, 86.5456)

Have a look what the booklet for  
XYZ(55.0642, 79.3655, 86.5456)  
contains.

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# Color

**XYZ(55.0642, 79.3655,  
86.5456)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FEE5
RGB	102, 254, 229
RGB Percent	40%, 100%, 90%
CMY	0.6000, 0.0039, 0.1020
CMYK	0.60, 0.00, 0.10, 0.00
HSL	170°, 99%, 70%
HSV	170°, 60%, 100%
XYZ	55.0642, 79.3655, 86.5456
YIQ	205.7020, -82.5670, -39.9990

# Conversions

## Conversions Part 2

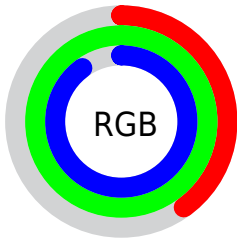
Format	Color
<a href="#">RYB</a>	<a href="#">102, 185, 254</a>
Decimal	<a href="#">6749925</a>
CIELab	<a href="#">91.40, -46.11, -0.09</a>
CIELCh	<a href="#">91, 46.110, 180.115</a>
Yxy	<a href="#">79.3655, 0.2492, 0.3592</a>
Android (android.graphics.Color)	<a href="#">4284940005 (0xFF66FEE5)</a>
YUV	<a href="#">205.7020, 11.4859, -90.9467</a>
Hunter-Lab	<a href="#">89.0873, -45.5733, 4.7627</a>

# Details

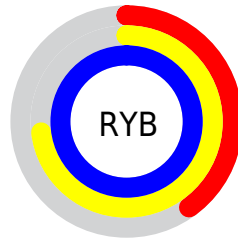
The XYZ color **55.0642, 79.3655, 86.5456** is a light color, and the websafe version is hex **33FFFF**. A complement of this color would be **49.4579, 32.1083, 23.6726**, and the grayscale version is **58.4447, 61.4884, 66.9609**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **27.6188, 42.9950, 46.8876** is the 20% darker color. If you saturate the color by 10%, you get **52.0386, 77.8742, 83.3967**, and if you desaturate by 10%, it is **58.9900, 81.3230, 89.8135**.

# Distribution



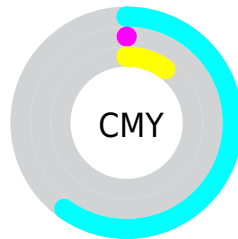
- Red (40%)
- Green (100%)
- Blue (90%)



- Red (40%)
- Yellow (73%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0642, 79.3655, 86.5456 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 55.0642, 79.3655, 86.5456 by changing the saturation by 10% instead.





 55.0642, 79.3655,  
86.5456


 55.0642, 79.3655,  
86.5456


396.2877,  
492.7919, 537.0059


 39.6872, 59.1964,  
64.5618


 96.7828, 132.4733,  
144.4239

 27.4778, 42.7712,  
46.6567


 123.8551,  
166.1807, 181.1554

 18.0709, 29.7056,  
32.4120


 155.5564,  
205.1697, 223.6399

 11.1009, 19.6153,  
21.4089

192.2523,  
249.8247, 272.2959

 6.2025, 12.1157,  
13.2291

234.3080,  
300.5300, 327.5420

 3.0104, 6.8225,  
7.4539

282.0889,

 1.1593, 3.3514,

357.6700, 389.7967

3.6648

335.9604,  
421.6292, 459.4785

0.0739, 1.3178,  
1.4433

0.0000, 0.1549,  
0.1752

55.0642, 79.3655,  
86.5456

55.0642, 79.3655,  
86.5456

52.0386, 77.8742,  
83.3967

58.9900, 81.3230,  
89.8135

49.8227, 76.7969,  
80.3567

63.8822, 83.7751,  
93.1986

48.3193, 76.0853,  
77.4223

69.8084, 86.7587,  
96.7065

47.3684, 75.6568,  
74.5855

76.8285, 90.3046,  
100.3404

■ 47.3549, 75.6509,  
74.5409

■ 84.9975, 94.4410,  
104.1033

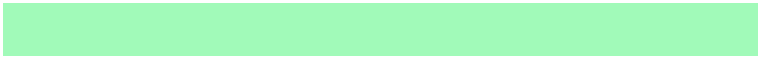
■ 94.3668, 99.1946,  
107.9981

■ 94.7331, 99.3661,  
108.7944

# Harmonies

## Analogous

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



57.5300, 79.3655, 58.0760



55.0642, 79.3655, 86.5456



57.5679, 79.3655, 123.0214

# Triad

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



55.0642, 79.3655, 86.5456



87.3190, 79.3655, 155.1494



87.2323, 79.3655, 41.6584

# Complementary

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



55.0642, 79.3655, 86.5456



49.4579, 32.1083, 23.6726

# 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.



96.6611, 79.3655, 57.9035



55.0642, 79.3655, 86.5456



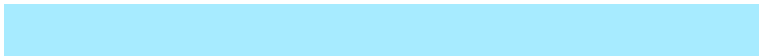
96.7147, 79.3655, 122.7367

# Square

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



55.0642, 79.3655, 86.5456



75.4799, 79.3655, 168.3807



100.2952, 79.3655, 86.2856

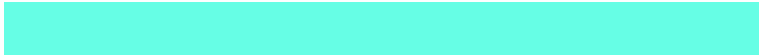


75.3891, 79.3655, 36.6007



# Rectangle

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



55.0642, 79.3655, 86.5456



61.8838, 79.3655, 146.0197



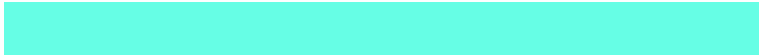
100.2952, 79.3655, 86.2856



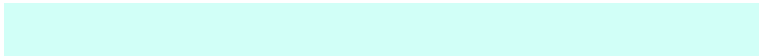
90.8317, 79.3655, 45.7418

# Sweetspot

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



55.0665, 79.3686, 86.5475



78.9408, 91.8331, 101.9250



46.6448, 76.3838, 24.8573



16.4170, 19.4135, 21.5834



0.0000, 0.0000, 0.0000

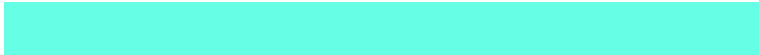


20.3446, 21.4041, 23.3091



# Same Dimension

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



55.0665, 79.3686, 86.5475



51.9512, 78.3001, 83.4661



44.8062, 52.8531, 101.6094



18.4190, 20.4271, 22.5092



25.0123, 39.9015, 39.5454



2.4680, 3.8981, 4.0224



# Inverse Universe

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



49.4579, 32.1083, 23.6726



45.8973, 26.7689, 15.2146



54.6109, 44.7065, 18.3231



18.1312, 18.0358, 19.3082



21.8022, 11.2102, 2.3429

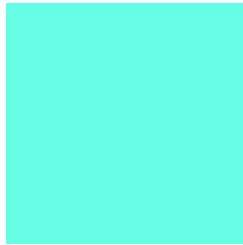


2.1556, 1.1046, 0.4008



# Previews

## White Background



This preview shows how the XYZ color 55.0642, 79.3655, 86.5456 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

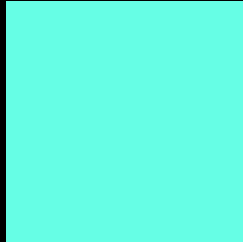
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.0642, 79.3655, 86.5456 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

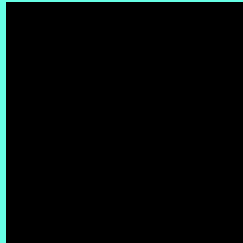
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

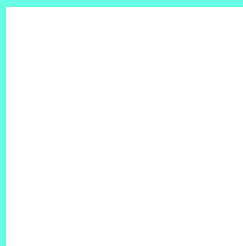
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 55.0642, 79.3655, 86.5456**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.0642, 79.3655, 86.5456.



This preview shows how white text looks on a background with the XYZ color 55.0642, 79.3655, 86.5456.



# 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

55.0642, 79.3655, 86.5456

### Protanopia

74.4731, 78.1747, 74.7824

### Deuteranopia

79.6194, 78.0728, 90.2301



## Tritanopia

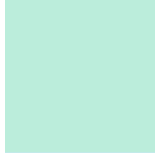
65.6537, 78.4554, 106.2908

# Trichromacy



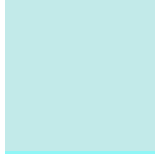
## Original Color

55.0642, 79.3655, 86.5456



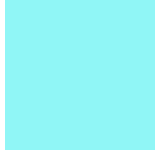
## Protanomaly

63.5639, 76.2476, 78.3849



## Deuteranomaly

66.3789, 76.1982, 88.3000



## Tritanomaly

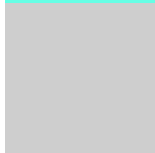
61.0919, 78.4946, 99.1199

# Monochromacy



## Original Color

55.0642, 79.3655, 86.5456



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

54.6737, 65.9552, 73.4673

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0642, 79.3655, 86.5456 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(102, 254, 229)` looks like.

```
.text, #text, p{  
    color:rgb(102, 254, 229)  
}
```

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(102, 254, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 254, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0642, 79.3655, 86.5456 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(102, 254, 229) }
```



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

```
.border{ border-color:rgb(102, 254, 229) }
```

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

Here you see how a box with a 4 pixel rgb(102, 254, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 254, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 254, 229);  
box-shadow:4px 4px 4px 4px rgb(102, 254,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0642, 79.3655, 86.5456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 254, 229) }
```

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

```
.background{ background-color: rgb(102,  
254, 229) }
```

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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