

# Converting Colors

XYZ(73.5606, 100.0000,  
159.1541)

Have a look what the booklet for  
XYZ(73.5606, 100.0000, 159.1541)  
contains.

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# Color

**XYZ(55.9900, 79.8638,  
107.0720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	41FFFF
RGB	65, 255, 255
RGB Percent	25%, 100%, 100%
CMY	0.7450, 0.0000, 0.0000
CMYK	0.75, 0.00, 0.00, 0.00
HSL	180°, 100%, 63%
HSV	180°, 75%, 100%
XYZ	55.9900, 79.8638, 107.0720
YIQ	198.1900, -113.2400, -40.2800

# Conversions

## Conversions Part 2

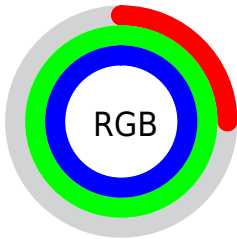
Format	Color
<a href="#">RYB</a>	<a href="#">65, 160, 255</a>
Decimal	<a href="#">4325375</a>
CIELab	<a href="#">91.62, -44.75, -13.33</a>
CIELCh	<a href="#">92, 46.696, 196.583</a>
Yxy	<a href="#">79.8638, 0.2305, 0.3288</a>
Android (android.graphics.Color)	<a href="#">4282515455</a> ( <a href="#">0xFF41FFFF</a> )
YUV	<a href="#">198.1900, 28.0073, -116.8076</a>
Hunter-Lab	<a href="#">89.3665, -44.5575, -8.4801</a>

# Details

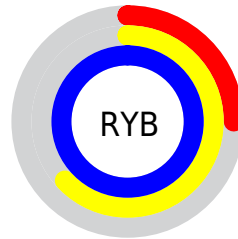
The XYZ color **55.9900, 79.8638, 107.0720** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.0857, 25.4241, 7.5871**, and the grayscale version is **53.6785, 56.4740, 61.5002**.

A 20% lighter version of the original color is **64.9653, 84.4908, 107.4921**, and **30.3871, 44.4654, 60.4072** is the 20% darker color. If you saturate the color by 10%, you get **54.6663, 79.1815, 107.0101**, and if you desaturate by 10%, it is **58.0767, 80.9396, 107.1697**.

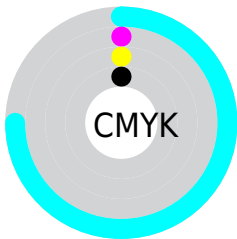
# Distribution



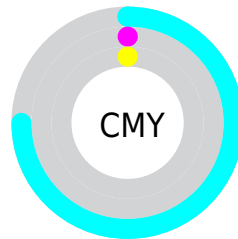
- Red (25%)
- Green (100%)
- Blue (100%)



- Red (25%)
- Yellow (63%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (75%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9900, 79.8638, 107.0720 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 55.9900, 79.8638, 107.0720 by changing the saturation by 10% instead.





 55.9900, 79.8638,  
107.0720


 55.9900, 79.8638,  
107.0720


399.7294,  
494.4737, 604.0752


 40.4319, 59.6063,  
81.5700


 98.1299, 133.1742,  
172.9786


 28.0611, 43.1014,  
60.4774


 125.4423,  
166.9959, 214.2203

 18.5124, 29.9647,  
43.3757


 157.4035,  
206.1078, 261.5456

 11.4204, 19.8118,  
29.8464

 194.3790,  
250.8943, 315.3730

 6.4197, 12.2583,  
19.4710

236.7339,  
301.7397, 376.1212

 3.1450, 6.9198,  
11.8309

284.8337,

 1.2309, 3.4120,

359.0285, 444.2085

6.5075

339.0438,  
423.1450, 520.0537

■ 0.1306, 1.3504,  
3.0823

■ 0.0000, 0.1798,  
1.1368

■ 55.9900, 79.8638,  
107.0720

■ 55.9900, 79.8638,  
107.0720

■ 54.6663, 79.1815,  
107.0101

■ 58.0767, 80.9396,  
107.1697

■ 53.9913, 78.8335,  
106.9785

■ 61.0144, 82.4540,  
107.3072

■ 53.8100, 78.7400,  
106.9700

■ 64.8823, 84.4480,  
107.4882

■ 69.7495, 86.9571,  
107.7160

■ 75.6789, 90.0138,  
107.9934

■ 82.7279, 93.6477,  
108.3233

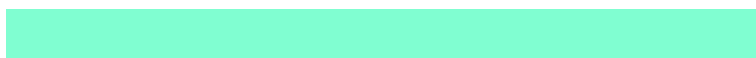
■ 90.9501, 97.8864,  
108.7081

■ 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.



55.7229, 79.8638, 72.5968



55.9900, 79.8638, 107.0720



61.2179, 79.8638, 143.8910

# Triad

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



55.9900, 79.8638, 107.0720



93.8056, 79.8638, 140.3337



81.3525, 79.8638, 37.4564

# Complementary

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



55.9900, 79.8638, 107.0720



44.0857, 25.4241, 7.5871

# 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.



92.7784, 79.8638, 47.4581



55.9900, 79.8638, 107.0720



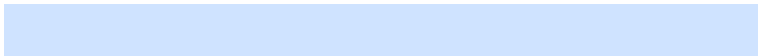
100.4597, 79.8638, 103.0985

# Square

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



55.9900, 79.8638, 107.0720



82.6400, 79.8638, 166.2721



100.0653, 79.8638, 69.5355



69.5522, 79.8638, 37.9943



# Rectangle

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



55.9900, 79.8638, 107.0720



67.1576, 79.8638, 162.1822



100.0653, 79.8638, 69.5355



85.3876, 79.8638, 39.5566

# Sweetspot

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



55.9910, 79.8643, 107.0721



77.3367, 90.8684, 108.0710



38.8955, 73.0262, 17.0487



16.1696, 19.2518, 23.1137



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.



55.9910, 79.8643, 107.0721



54.2903, 78.9876, 106.9925



32.8031, 33.4885, 99.3428



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

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



61.1812, 32.2623, 97.6104



59.7064, 29.3129, 97.1188



54.7667, 46.7860, 11.1474



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

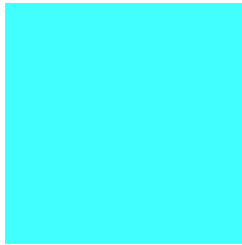


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 55.9900, 79.8638, 107.0720 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

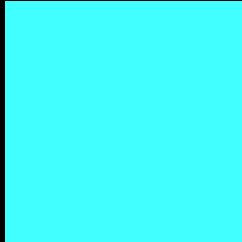
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.9900, 79.8638, 107.0720 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

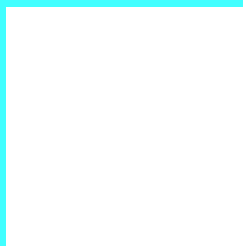
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 55.9900, 79.8638, 107.0720

## Background



This preview shows how black text looks on a background with the XYZ color 55.9900, 79.8638, 107.0720.



This preview shows how white text looks on a background with the XYZ color 55.9900, 79.8638,



# Color Blindness Simulation

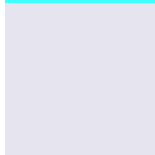
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

55.9900, 79.8638, 107.0720



### Protanopia

75.8091, 78.4828, 92.0421



### Deuteranopia

78.6373, 78.0237, 105.5232



## Tritanopia

65.4104, 79.2137, 106.4500

# Trichromacy



## Original Color

55.9900, 79.8638, 107.0720



## Protanomaly

63.4812, 76.2268, 96.9554



## Deuteranomaly

64.9919, 75.5209, 105.7593



## Tritanomaly

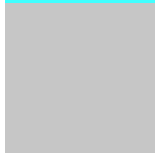
60.2129, 78.3307, 106.5535

# Monochromacy



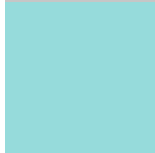
## Original Color

55.9900, 79.8638, 107.0720



## Achromatopsia

53.6758, 56.4712, 61.4971



## Achromatomaly

50.6954, 62.2615, 76.3636

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9900, 79.8638, 107.0720 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(65, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(65, 255, 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(65, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9900, 79.8638, 107.0720 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(65, 255, 255) }
```



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

```
.border{ border-color:rgb(65, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(65, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9900, 79.8638, 107.0720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 255, 255) }
```

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

```
.background{ background-color: rgb(65, 255,  
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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