

# Converting Colors

XYZ(55.5552, 79.6397,  
107.0517)

Have a look what the booklet for  
XYZ(55.5552, 79.6397, 107.0517)  
contains.

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# Color

**XYZ(55.5549, 79.6395,  
107.0517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AFFFF
RGB	58, 255, 255
RGB Percent	23%, 100%, 100%
CMY	0.7725, 0.0000, 0.0000
CMYK	0.77, 0.00, 0.00, 0.00
HSL	180°, 100%, 61%
HSV	180°, 77%, 100%
XYZ	55.5549, 79.6395, 107.0517
YIQ	196.0970, -117.4120, -41.7640

# Conversions

## Conversions Part 2

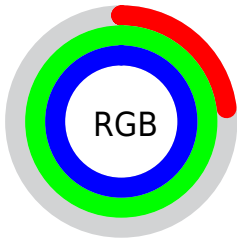
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	58, 157, 255
Decimal	3866623
CIE Lab	91.52, -45.41, -13.49
CIE LCh	92, 47.369, 196.544
Yxy	79.6395, 0.2293, 0.3288
Android (android.graphics.Color)	4282056703 (0xFF3AFFFF)
YUV	196.0970, 29.0392, -121.1111
Hunter-Lab	89.2410, -45.0506, -8.6544

# Details

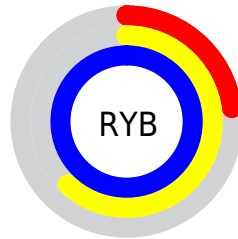
The XYZ color **55.5549, 79.6395, 107.0517** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.5180, 24.5934, 6.4585**, and the grayscale version is **52.4116, 55.1411, 60.0487**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **30.3871, 44.4654, 60.4072** is the 20% darker color. If you saturate the color by 10%, you get **54.4218, 79.0554, 106.9986**, and if you desaturate by 10%, it is **57.4230, 80.6026, 107.1391**.

# Distribution



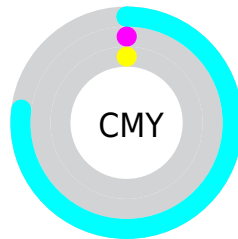
- Red (23%)
- Green (100%)
- Blue (100%)



- Red (23%)
- Yellow (62%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5549, 79.6395, 107.0517 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 55.5549, 79.6395, 107.0517 by changing the saturation by 10% instead.



55.5549, 79.6395,  
107.0517

55.5549, 79.6395,  
107.0517

398.1142,  
493.7171, 604.0109

40.0818, 59.4217,  
81.5530

97.4971, 132.8588,  
172.9507

27.7868, 42.9527,  
60.4635

124.6969,  
166.6291, 214.1881

18.3046, 29.8480,  
43.3646

156.5362,  
205.6857, 261.5087

11.2699, 19.7233,  
29.8378

193.3805,  
250.4130, 315.3313

6.3173, 12.1940,  
19.4645

235.5951,  
301.1954, 376.0742

3.0815, 6.8760,  
11.8262

283.5453,

1.1970, 3.3847,

358.4173, 444.1561

6.5043

337.5966,  
422.4630, 519.9955

■ 0.1040, 1.3357,  
3.0804

■ 0.0000, 0.1686,  
1.1358

■ 55.5549, 79.6395,  
107.0517

■ 55.5549, 79.6395,  
107.0517

■ 54.4218, 79.0554,  
106.9986

■ 57.4230, 80.6026,  
107.1391

■ 53.8978, 78.7853,  
106.9741

■ 60.1186, 81.9922,  
107.2652

■ 53.8100, 78.7400,  
106.9700

■ 63.7240, 83.8508,  
107.4340

■ 68.3104, 86.2152,  
107.6486

73.9423, 89.1186,  
107.9122

80.6785, 92.5912,  
108.2274

88.5736, 96.6613,  
108.5969

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.



55.2920, 79.6395, 72.1476



55.5549, 79.6395, 107.0517



60.8274, 79.6395, 144.4675

# Triad

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



55.5549, 79.6395, 107.0517



93.8236, 79.6395, 140.9375



81.2253, 79.6395, 36.8021

# Complementary

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



55.5549, 79.6395, 107.0517



43.5180, 24.5934, 6.4585

# 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.



92.8069, 79.6395, 46.8593



55.5549, 79.6395, 107.0517



100.5854, 79.6395, 103.1196

# Square

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



55.5549, 79.6395, 107.0517



82.4980, 79.6395, 167.3138



100.1947, 79.6395, 69.1303



69.2766, 79.6395, 37.3281



# Rectangle

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



55.5549, 79.6395, 107.0517



66.8272, 79.6395, 163.1014



100.1947, 79.6395, 69.1303



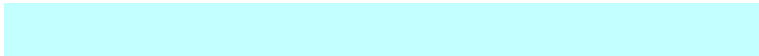
85.3144, 79.6395, 38.9128

# Sweetspot

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



55.5559, 79.6400, 107.0517



76.6661, 90.5228, 108.0396



38.2700, 72.7257, 16.0255



15.9112, 19.1186, 23.1016



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.



55.5559, 79.6400, 107.0517



54.0567, 78.8672, 106.9815



31.7697, 32.0678, 99.1230



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.



60.8039, 31.5077, 97.4846



59.5039, 28.9078, 97.0513



53.9780, 45.5134, 9.9451



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

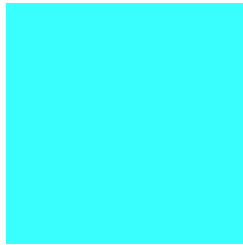


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 55.5549, 79.6395, 107.0517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

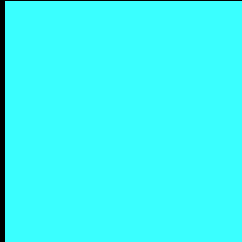
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.5549, 79.6395, 107.0517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

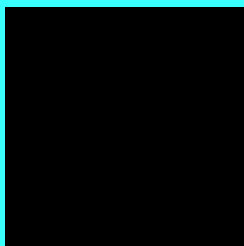
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

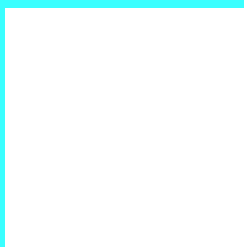
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 55.5549, 79.6395, 107.0517

## Background



This preview shows how black text looks on a background with the XYZ color 55.5549, 79.6395, 107.0517.



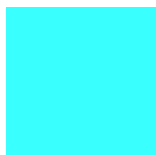
This preview shows how white text looks on a background with the XYZ color 55.5549, 79.6395,



# Color Blindness Simulation

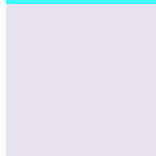
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

55.5549, 79.6395, 107.0517



### Protanopia

75.5348, 77.9342, 91.9506



### Deuteranopia

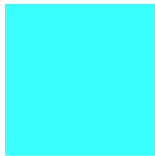
78.6373, 78.0237, 105.5232



## Tritanopia

64.9064, 78.5108, 106.3409

# Trichromacy



## Original Color

55.5549, 79.6395, 107.0517



## Protanomaly

62.5497, 75.3155, 96.8286



## Deuteranomaly

64.3359, 75.1827, 105.7286



## Tritanomaly

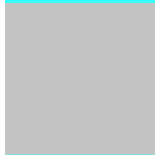
59.7682, 78.1015, 106.5327

# Monochromacy



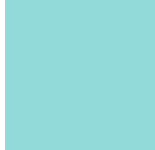
## Original Color

55.5549, 79.6395, 107.0517



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

49.1913, 60.7465, 74.7782

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5549, 79.6395, 107.0517 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(58, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(58, 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(58, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5549, 79.6395, 107.0517 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(58, 255, 255) }
```



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

```
.border{ border-color:rgb(58, 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(58, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(58, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5549, 79.6395, 107.0517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 255, 255) }
```

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

```
.background{ background-color: rgb(58, 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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