

# Converting Colors

XYZ(67.4513, 100.0000,  
123.1619)

Have a look what the booklet for  
XYZ(67.4513, 100.0000, 123.1619)  
contains.

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# Color

**XYZ(55.2262, 79.4701,  
107.0363)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34FFFF
RGB	52, 255, 255
RGB Percent	20%, 100%, 100%
CMY	0.7960, 0.0000, 0.0000
CMYK	0.80, 0.00, 0.00, 0.00
HSL	180°, 100%, 60%
HSV	180°, 80%, 100%
XYZ	55.2262, 79.4701, 107.0363
YIQ	194.3030, -120.9880, -43.0360

# Conversions

## Conversions Part 2

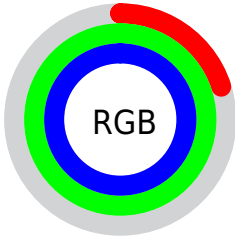
<b>Format</b>	<b>Color</b>
<b>RYB</b>	52, 154, 255
Decimal	3473407
CIELab	91.45, -45.90, -13.61
CIELCh	91, 47.880, 196.514
Yxy	79.4701, 0.2285, 0.3288
Android (android.graphics.Color)	4281663487 (0xFF34FFFF)
YUV	194.3030, 29.9236, -124.7997
Hunter-Lab	89.1460, -45.4243, -8.7864

# Details

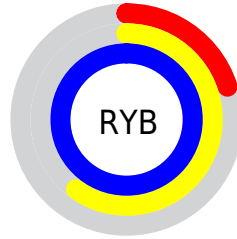
The XYZ color **55.2262, 79.4701, 107.0363** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.0891, 23.9657, 5.6058**, and the grayscale version is **51.3400, 54.0137, 58.8209**.

A 20% lighter version of the original color is **63.8017, 83.8909, 107.4376**, and **30.1593, 44.0097, 60.3312** is the 20% darker color. If you saturate the color by 10%, you get **54.2494, 78.9665, 106.9906**, and if you desaturate by 10%, it is **56.9126, 80.3394, 107.1152**.

# Distribution



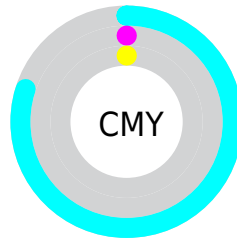
- Red (20%)
- Green (100%)
- Blue (100%)



- Red (20%)
- Yellow (60%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2262, 79.4701, 107.0363 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 55.2262, 79.4701, 107.0363 by changing the saturation by 10% instead.





 55.2262, 79.4701,  
107.0363


 55.2262, 79.4701,  
107.0363


396.8913,  
493.1452, 603.9621

 39.8174, 59.2824,  
81.5402


 97.0187, 132.6205,  
172.9295


 27.5798, 42.8405,  
60.4530


 124.1331,  
166.3519, 214.1636

 18.1480, 29.7600,  
43.3562


 155.8801,  
205.3667, 261.4808

 11.1566, 19.6565,  
29.8312

 192.6250,  
250.0493, 315.2997

 6.2403, 12.1456,  
19.4595

234.7333,  
300.7841, 376.0387

 3.0338, 6.8429,  
11.8226

282.5701,

 1.1717, 3.3640,

357.9554, 444.1164

6.5020

336.5010,  
421.9476, 519.9513

■ 0.0838, 1.3246,  
3.0789

■ 0.0000, 0.1601,  
1.1351

■ 55.2262, 79.4701,  
107.0363

■ 55.2262, 79.4701,  
107.0363

■ 54.2494, 78.9665,  
106.9906

■ 56.9126, 80.3394,  
107.1152

■ 53.8227, 78.7466,  
106.9706

■ 59.4056, 81.6247,  
107.2319

■ 53.8100, 78.7400,  
106.9700

■ 62.7903, 83.3695,  
107.3903

■ 67.1399, 85.6118,  
107.5938

72.5205, 88.3856,  
107.8456

78.9919, 91.7218,  
108.1485

86.6098, 95.6489,  
108.5050

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.



54.9665, 79.4701, 71.8074



55.2262, 79.4701, 107.0363



60.5320, 79.4701, 144.9073

# Triad

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



55.2262, 79.4701, 107.0363



93.8380, 79.4701, 141.3999



81.1299, 79.4701, 36.3105

# Complementary

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



55.2262, 79.4701, 107.0363



43.0891, 23.9657, 5.6058

# 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.



92.8298, 79.4701, 46.4084



55.2262, 79.4701, 107.0363



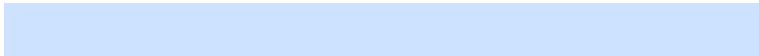
100.6818, 79.4701, 103.1376

# Square

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



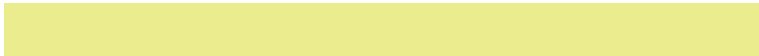
55.2262, 79.4701, 107.0363



82.3907, 79.4701, 168.1105



100.2942, 79.4701, 68.8248



69.0685, 79.4701, 36.8273



# Rectangle

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



55.2262, 79.4701, 107.0363



66.5773, 79.4701, 163.8033



100.2942, 79.4701, 68.8248



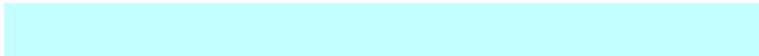
85.2599, 79.4701, 38.4288

# Sweetspot

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



55.2271, 79.4706, 107.0363



76.0068, 90.1829, 108.0088



37.7974, 72.4987, 15.2525



15.7853, 19.0537, 23.0957



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.



55.2271, 79.4706, 107.0363



53.9377, 78.8058, 106.9760



30.9419, 30.9001, 98.9412



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.



60.5188, 30.9376, 97.3896



59.4007, 28.7014, 97.0169



53.3350, 44.4576, 9.0211



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

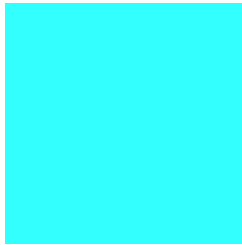


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 55.2262, 79.4701, 107.0363 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

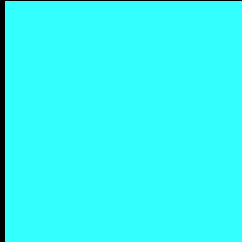
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.2262, 79.4701, 107.0363 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

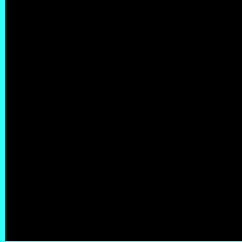
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

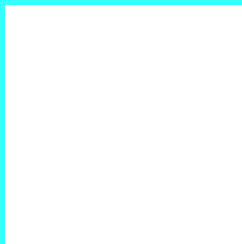
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 55.2262, 79.4701, 107.0363

## Background



This preview shows how black text looks on a background with the XYZ color 55.2262, 79.4701, 107.0363.



This preview shows how white text looks on a background with the XYZ color 55.2262, 79.4701,



# Color Blindness Simulation

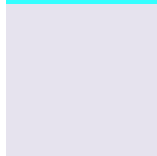
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



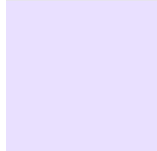
### Original Color

55.2262, 79.4701, 107.0363



### Protanopia

75.5348, 77.9342, 91.9506



### Deuteranopia

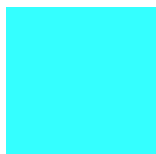
78.3099, 77.8549, 105.5079



## Tritanopia

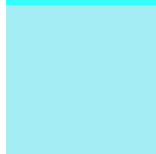
64.5001, 78.3013, 106.3219

# Trichromacy



## Original Color

55.2262, 79.4701, 107.0363



## Protanomaly

62.1304, 75.0994, 96.8090



## Deuteranomaly

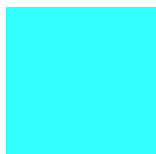
63.6947, 74.8522, 105.6986



## Tritanomaly

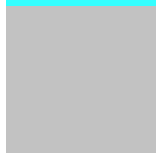
59.1959, 77.8065, 106.5059

# Monochromacy



## Original Color

55.2262, 79.4701, 107.0363



## Achromatopsia

51.2775, 53.9479, 58.7493



## Achromatomaly

48.1059, 59.8204, 73.9768

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.2262, 79.4701, 107.0363 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(52, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(52, 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(52, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 55.2262, 79.4701, 107.0363 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(52, 255, 255) }
```



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

```
.border{ border-color:rgb(52, 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(52, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(52, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.2262, 79.4701, 107.0363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 255, 255) }
```

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

```
.background{ background-color: rgb(52, 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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