

# Converting Colors

XYZ(55.2053, 82.9683, 80.1126)

Have a look what the booklet for  
XYZ(55.2053, 82.9683, 80.1126)  
contains.

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# Color

**XYZ(53.2655, 79.0674,  
79.4720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FFFDB
RGB	95, 255, 219
RGB Percent	37%, 100%, 86%
CMY	0.6274, 0.0000, 0.1412
CMYK	0.63, 0.00, 0.14, 0.00
HSL	167°, 100%, 69%
HSV	167°, 63%, 100%
XYZ	53.2655, 79.0674, 79.4720
YIQ	203.0560, -83.8040, -45.1160

# Conversions

## Conversions Part 2

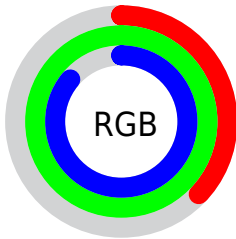
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 185, 255
Decimal	6291419
CIELab	91.26, -50.12, 4.87
CIELCh	91, 50.354, 174.454
Yxy	79.0674, 0.2515, 0.3733
Android (android.graphics.Color)	4284481499 (0xFF5FFFDB)
YUV	203.0560, 7.8604, -94.7651
Hunter-Lab	88.9199, -48.6832, 9.2535

# Details

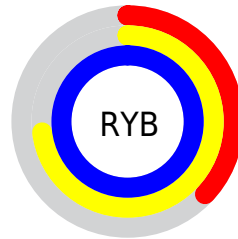
The XYZ color **53.2655, 79.0674, 79.4720** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **49.4297, 31.0843, 24.8688**, and the grayscale version is **56.7904, 59.7479, 65.0655**.

A 20% lighter version of the original color is **68.3072, 86.2136, 107.6485**, and **26.6671, 42.6128, 41.9416** is the 20% darker color. If you saturate the color by 10%, you get **50.2942, 77.6213, 75.4587**, and if you desaturate by 10%, it is **57.1312, 80.9714, 83.6658**.

# Distribution



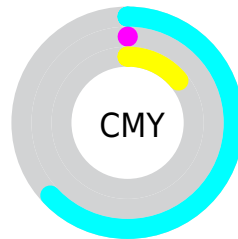
- Red (37%)
- Green (100%)
- Blue (86%)



- Red (37%)
- Yellow (73%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (63%)
- Magenta (0%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2655, 79.0674, 79.4720 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 53.2655, 79.0674, 79.4720 by changing the saturation by 10% instead.





 53.2655, 79.0674,  
79.4720


 53.2655, 79.0674,  
79.4720


389.5471,  
491.7843, 512.8114


 38.2431, 58.9512,  
58.7604


 94.1582, 132.0537,  
134.4278

 26.3495, 42.5739,  
42.0015


 120.7591,  
165.6927, 169.5091

 17.2193, 29.5509,  
28.7769


 151.9503,  
204.6080, 210.2173

 10.4873, 19.4980,  
18.6680

188.0971,  
249.1842, 256.9710

 5.7879, 12.0306,  
11.2562

229.5648,  
299.8055, 310.1887

 2.7560, 6.7646,  
6.1231

276.7188,

 1.0261, 3.3153,

356.8563, 370.2890

2.8501

329.9245,  
420.7211, 437.6904

0.0000, 1.2985,  
1.0186

0.0000, 0.1400,  
0.0000

53.2655, 79.0674,  
79.4720

53.2655, 79.0674,  
79.4720

50.2942, 77.6213,  
75.4587

57.1312, 80.9714,  
83.6658

48.1260, 76.5864,  
71.6162

61.9651, 83.3715,  
88.0409

46.6548, 75.9078,  
67.9395

67.8365, 86.3034,  
92.6030

45.9100, 75.5800,  
65.3689

74.8073, 89.7990,  
97.3565

82.9345, 93.8876,  
102.3052

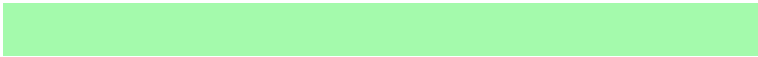
92.2711, 98.5966,  
107.4529

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.



56.8909, 79.0674, 51.3389



53.2655, 79.0674, 79.4720



54.9424, 79.0674, 118.6056

# Triad

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



53.2655, 79.0674, 79.4720



85.7808, 79.0674, 167.2803



90.3488, 79.0674, 40.6138

# Complementary

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



53.2655, 79.0674, 79.4720



49.4297, 31.0843, 24.8688

# 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.



99.7918, 79.0674, 60.1385



53.2655, 79.0674, 79.4720



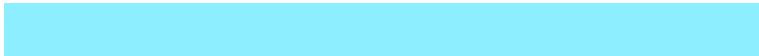
96.9523, 79.0674, 133.7852

# Square

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



53.2655, 79.0674, 79.4720



72.8030, 79.0674, 176.7642



102.3353, 79.0674, 93.0676



77.5493, 79.0674, 33.3534



# Rectangle

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



53.2655, 79.0674, 79.4720



58.9514, 79.0674, 145.3272



102.3353, 79.0674, 93.0676



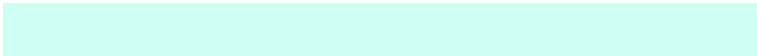
94.0761, 79.0674, 45.6365

# Sweetspot

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



53.2664, 79.0678, 79.4734



77.7107, 91.2583, 99.1856



47.3945, 77.2792, 23.2463



16.1552, 19.2927, 20.9301



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.



53.2664, 79.0678, 79.4734



49.7380, 77.3536, 74.5765



46.3972, 56.9078, 103.1467



18.3697, 20.4074, 22.2496



24.0481, 39.5158, 34.4680



2.3823, 3.8639, 3.5712



# Inverse Universe

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



49.4297, 31.0843, 24.8688



45.7016, 25.9556, 16.4506



52.3472, 40.1690, 15.8223



18.1767, 18.0540, 19.5477



21.9854, 11.2834, 3.3076

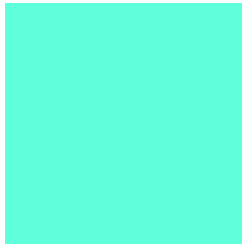


2.1797, 1.1143, 0.5280



# Previews

## White Background



This preview shows how the XYZ color 53.2655, 79.0674, 79.4720 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

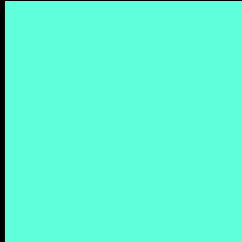
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.2655, 79.0674, 79.4720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

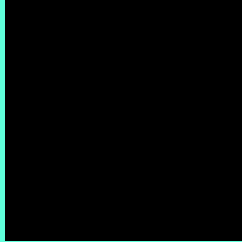
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.2655, 79.0674, 79.4720

## Background



This preview shows how black text looks on a background with the XYZ color 53.2655, 79.0674, 79.4720.



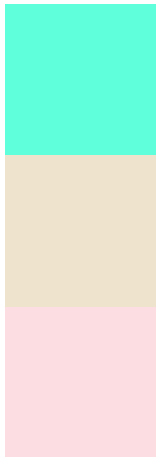
This preview shows how white text looks on a background with the XYZ color 53.2655, 79.0674,

79.4720.

# 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

53.2655, 79.0674, 79.4720

### Protanopia

73.6281, 77.4749, 68.2003

### Deuteranopia

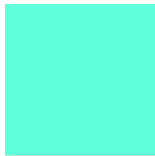
79.3676, 77.7131, 82.7685



## Tritanopia

65.0223, 78.1299, 106.2613

# Trichromacy



## Original Color

53.2655, 79.0674, 79.4720



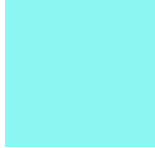
## Protanomaly

62.0425, 75.6109, 71.6460



## Deuteranomaly

64.7063, 75.0749, 80.8926



## Tritanomaly

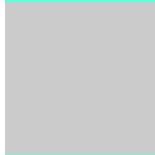
59.7980, 77.8978, 95.8885

# Monochromacy



## Original Color

53.2655, 79.0674, 79.4720



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

52.9397, 64.7385, 70.0272

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.2655, 79.0674, 79.4720 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(95, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(95, 255, 219)  
}
```

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(95, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 53.2655, 79.0674, 79.4720 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(95, 255, 219) }
```



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

```
.border{ border-color:rgb(95, 255, 219) }
```

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

Here you see how a box with a 4 pixel rgb(95, 255, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(95, 255,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.2655, 79.0674, 79.4720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 255, 219) }
```

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

```
.background{ background-color: rgb(95, 255,  
219) }
```

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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