

# Converting Colors

XYZ(54.5579, 74.2258, 78.6307)

Have a look what the booklet for  
XYZ(54.5579, 74.2258, 78.6307)  
contains.

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# Color

**XYZ(54.5096, 74.2022,  
78.4673)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85F3DB
RGB	133, 243, 219
RGB Percent	52%, 95%, 86%
CMY	0.4784, 0.0470, 0.1412
CMYK	0.45, 0.00, 0.10, 0.05
HSL	167°, 82%, 74%
HSV	167°, 45%, 95%
XYZ	54.5096, 74.2022, 78.4673
YIQ	207.3740, -57.8560, -30.7840

# Conversions

## Conversions Part 2

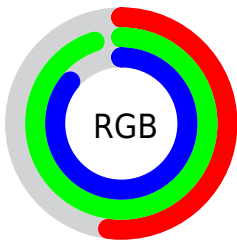
Format	Color
<a href="#">RYB</a>	<a href="#">133, 195, 243</a>
Decimal	<a href="#">8778715</a>
CIELab	<a href="#">89.02, -37.25, 1.75</a>
CIElCh	<a href="#">89, 37.291, 177.303</a>
Yxy	<a href="#">74.2022, 0.2631, 0.3582</a>
Android (android.graphics.Color)	<a href="#">4286968795 (0xFF85F3DB)</a>
YUV	<a href="#">207.3740, 5.7316, -65.2260</a>
Hunter-Lab	<a href="#">86.1407, -37.7919, 6.2900</a>

# Details

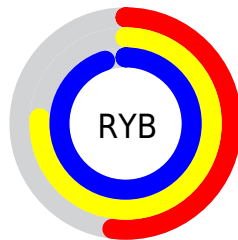
The XYZ color **54.5096, 74.2022, 78.4673** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.4380, 38.2660, 36.5760**, and the grayscale version is **59.5420, 62.6428, 68.2180**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **27.0838, 39.2540, 41.2713** is the 20% darker color. If you saturate the color by 10%, you get **50.4213, 72.1759, 74.6911**, and if you desaturate by 10%, it is **59.5117, 76.7008, 82.4056**.

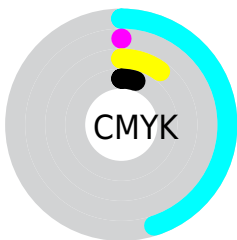
# Distribution



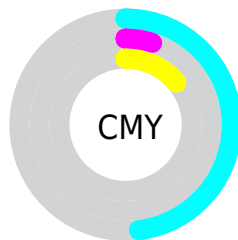
- Red (52%)
- Green (95%)
- Blue (86%)



- Red (52%)
- Yellow (76%)
- Blue (95%)



- Cyan (45%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)



- Cyan (48%)
- Magenta (5%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5096, 74.2022, 78.4673 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 54.5096, 74.2022, 78.4673 by changing the saturation by 10% instead.



54.5096, 74.2022,  
78.4673

54.5096, 74.2022,  
78.4673

394.2170,  
475.1709, 509.3223

39.2415, 54.9595,  
57.9392

95.9746, 125.1824,  
133.0005

27.1292, 39.3693,  
41.3454

122.9022,  
157.6887, 167.8427

17.8074, 27.0472,  
28.2673

154.4470,  
195.3851, 208.2934

10.9106, 17.6087,  
18.2865

190.9745,  
238.6559, 254.7710

6.0736, 10.6694,  
10.9843

232.8498,  
287.8854, 307.6942

2.9310, 5.8450,  
5.9422

280.4385,

1.1174, 2.7511,

343.4582, 367.4814

2.7418

334.1057,  
405.7586, 434.5513

0.0396, 1.0032,  
0.9643

0.0000, 0.0000,  
0.0000

54.5096, 74.2022,  
78.4673

54.5096, 74.2022,  
78.4673

50.4213, 72.1759,  
74.6911

59.5117, 76.7008,  
82.4056

47.1783, 70.5808,  
71.0678


65.4777, 79.6918,  
86.5046


44.7123, 69.3839,  
67.5948


72.4613, 83.2048,  
90.7694


42.9416, 68.5429,  
64.2673


80.5105, 87.2646,  
95.2033

 41.7654, 68.0059,  
61.0793

 89.6702, 91.8941,  
99.8093

 41.3440, 67.8206,  
59.6154

 90.6755, 92.3172,  
104.1550

 91.3419, 92.5838,  
107.6640

# Harmonies

## Analogous

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



56.8523, 74.2022, 56.7165



54.5096, 74.2022, 78.4673



56.1448, 74.2022, 105.9221

# Triad

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



54.5096, 74.2022, 78.4673



78.8280, 74.2022, 133.7637



80.3679, 74.2022, 45.6454

# Complementary

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



54.5096, 74.2022, 78.4673



51.4380, 38.2660, 36.5760

# 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.



87.1767, 74.2022, 59.9912



54.5096, 74.2022, 78.4673



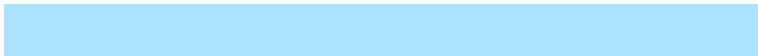
86.2354, 74.2022, 110.8708

# Square

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



54.5096, 74.2022, 78.4673



69.7099, 74.2022, 141.6182



89.4098, 74.2022, 83.1654



71.3503, 74.2022, 40.4849



# Rectangle

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



54.5096, 74.2022, 78.4673



59.3552, 74.2022, 123.3144



89.4098, 74.2022, 83.1654



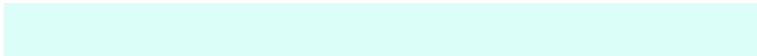
83.0193, 74.2022, 49.3790

# Sweetspot

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



54.5117, 74.2051, 78.4690



81.8847, 93.3550, 101.8693



50.5185, 73.1346, 33.6453



17.1380, 19.7860, 21.5794



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

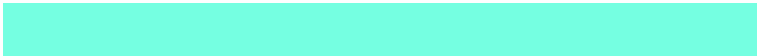


# Same Dimension

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



54.5117, 74.2051, 78.4690



56.7207, 80.7564, 83.7989



49.8150, 59.3848, 93.6343



16.8328, 18.6923, 20.4040



22.7425, 37.2418, 32.9932



2.0363, 3.2882, 3.0969



# Inverse Universe

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



51.4380, 38.2660, 36.5760



52.9300, 36.1701, 31.9384



54.1773, 46.7086, 28.3518



16.6471, 16.5417, 17.8884



20.6798, 10.6153, 3.0221

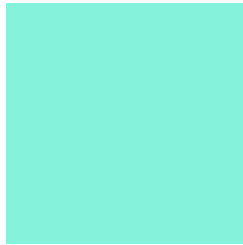


1.8543, 0.9477, 0.4592



# Previews

## White Background



This preview shows how the XYZ color 54.5096, 74.2022, 78.4673 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

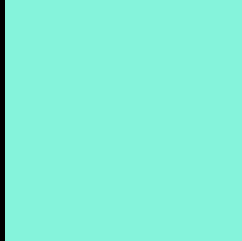
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.5096, 74.2022, 78.4673 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

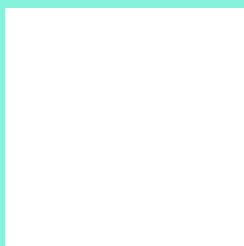
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.5096, 74.2022, 78.4673**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5096, 74.2022, 78.4673.



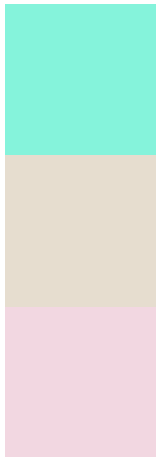
This preview shows how white text looks on a background with the XYZ color 54.5096, 74.2022, 78.4673.



# 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

54.5096, 74.2022, 78.4673

### Protanopia

69.7521, 73.0409, 69.4535

### Deuteranopia

74.5090, 72.9144, 81.3810



## Tritanopia

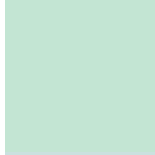
60.7286, 74.1779, 105.7248

# Trichromacy



## Original Color

54.5096, 74.2022, 78.4673



## Protanomaly

62.2829, 72.3439, 72.3091



## Deuteranomaly

64.6016, 71.7347, 80.2533



## Tritanomaly

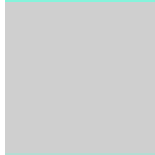
58.2212, 73.9834, 95.2161

# Monochromacy



## Original Color

54.5096, 74.2022, 78.4673



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

56.1735, 65.5928, 71.3280

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5096, 74.2022, 78.4673 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(133, 243, 219)` looks like.

```
.text, #text, p{  
    color:rgb(133, 243, 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(133, 243, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 243, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5096, 74.2022, 78.4673 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(133, 243, 219) }
```



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

```
.border{ border-color:rgb(133, 243, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 243, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 243, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 243, 219);  
box-shadow:4px 4px 4px 4px rgb(133, 243,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5096, 74.2022, 78.4673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 243, 219) }
```

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

```
.background{ background-color: rgb(133,  
243, 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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