

# Converting Colors

XYZ(54.7604, 79.6585, 87.6541)

Have a look what the booklet for  
XYZ(54.7604, 79.6585, 87.6541)  
contains.

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# Color

**XYZ(54.6590, 79.6129,  
87.3489)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EFFE6
RGB	94, 255, 230
RGB Percent	37%, 100%, 90%
CMY	0.6313, 0.0000, 0.0980
CMYK	0.63, 0.00, 0.10, 0.00
HSL	171°, 100%, 68%
HSV	171°, 63%, 100%
XYZ	54.6590, 79.6129, 87.3489
YIQ	204.0110, -87.9310, -41.9070

# Conversions

## Conversions Part 2

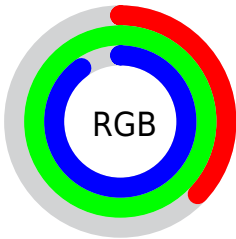
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	94, 181, 255
Decimal	6225894
CIE <sub>Lab</sub>	91.51, -47.62, -0.47
CIE <sub>LCh</sub>	92, 47.618, 180.568
Yxy	79.6129, 0.2466, 0.3592
Android (android.graphics.Color)	4284415974 (0xFF5EFFE6)
YUV	204.0110, 12.8126, -96.4796
Hunter-Lab	89.2261, -46.7983, 4.4156

# Details

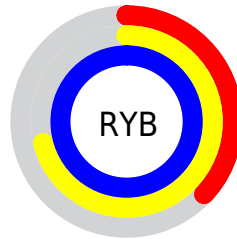
The XYZ color **54.6590, 79.6129, 87.3489** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **48.5733, 30.5986, 20.8002**, and the grayscale version is **57.3636, 60.3509, 65.7222**.

A 20% lighter version of the original color is **68.3072, 86.2136, 107.6485**, and **27.7041, 43.0277, 47.4024** is the 20% darker color. If you saturate the color by 10%, you get **51.9127, 78.2605, 84.3517**, and if you desaturate by 10%, it is **58.2832, 81.4162, 90.4559**.

# Distribution



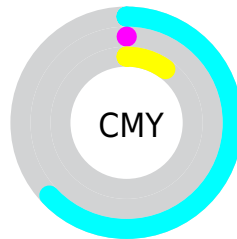
- Red (37%)
- Green (100%)
- Blue (90%)



- Red (37%)
- Yellow (71%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (63%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.6590, 79.6129, 87.3489 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 54.6590, 79.6129, 87.3489 by changing the saturation by 10% instead.





 54.6590, 79.6129,  
87.3489


 54.6590, 79.6129,  
87.3489

394.7755,  
493.6273, 539.7146


 39.3615, 59.3999,  
65.2227


 96.1924, 132.8214,  
145.5535

 27.2231, 42.9351,  
47.1892


 123.1590,  
166.5856, 182.4690

 17.8783, 29.8342,  
32.8298


 154.7461,  
205.6356, 225.1513

 10.9618, 19.7128,  
21.7261

191.3190,  
250.3559, 274.0191

 6.1083, 12.1864,  
13.4594

233.2430,  
301.1308, 329.4907

 2.9523, 6.8708,  
7.6112

280.8835,

 1.1286, 3.3814,

358.3448, 391.9848

3.7630

334.6059,  
422.3821, 461.9199

0.0488, 1.3340,  
1.4962

0.0000, 0.1673,  
0.2151

54.6590, 79.6129,  
87.3489

54.6590, 79.6129,  
87.3489

51.9127, 78.2605,  
84.3517

58.2832, 81.4162,  
90.4559

49.9525, 77.3121,  
81.4555

62.8592, 83.7087,  
93.6723

48.6714, 76.7123,  
78.6561

68.4563, 86.5262,  
97.0034

48.0779, 76.4472,  
76.7851

75.1366, 89.9006,  
100.4524

■ 82.9571, 93.8613,  
104.0223

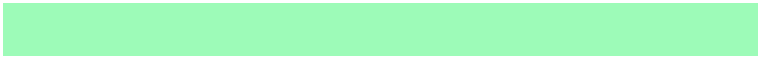
■ 91.9708, 98.4356,  
107.7161

■ 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.



57.1177, 79.6129, 57.8271



54.6590, 79.6129, 87.3489



57.3096, 79.6129, 125.2912

# Triad

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



54.6590, 79.6129, 87.3489



88.1633, 79.6129, 157.8668



87.7205, 79.6129, 40.5485

# Complementary

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



54.6590, 79.6129, 87.3489



48.5733, 30.5986, 20.8002

# 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.



97.5837, 79.6129, 56.9557



54.6590, 79.6129, 87.3489



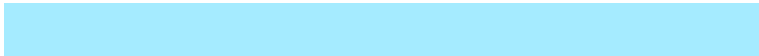
97.8580, 79.6129, 123.8305

# Square

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



54.6590, 79.6129, 87.3489



75.9012, 79.6129, 172.1158



101.4737, 79.6129, 86.0243

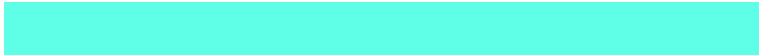


75.4387, 79.6129, 35.5736



# Rectangle

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



54.6590, 79.6129, 87.3489



61.7996, 79.6129, 149.1989



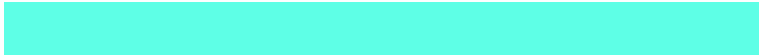
101.4737, 79.6129, 86.0243



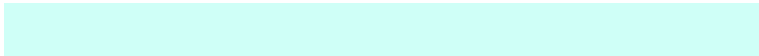
91.4737, 79.6129, 44.6469

# Sweetspot

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



54.6599, 79.6133, 87.3503



78.2288, 91.4656, 101.9136



45.6432, 76.3816, 22.9287



16.2818, 19.3434, 21.5969



0.0000, 0.0000, 0.0000

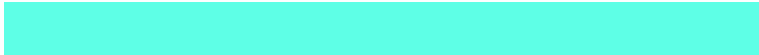


20.3446, 21.4041, 23.3091



# Same Dimension

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



54.6599, 79.6133, 87.3503



51.2748, 77.9497, 83.5116



43.6317, 51.5299, 102.2544



18.4265, 20.4301, 22.5490



25.1674, 39.9635, 40.3621



2.4817, 3.9036, 4.0944



# Inverse Universe

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



48.5733, 30.5986, 20.8002



44.8204, 25.3793, 12.5001



53.7990, 43.1450, 16.0835



18.1243, 18.0330, 19.2719



21.7793, 11.2010, 2.2222

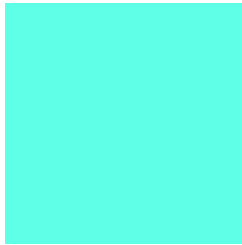


2.1524, 1.1033, 0.3838



# Previews

## White Background



This preview shows how the XYZ color 54.6590, 79.6129, 87.3489 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

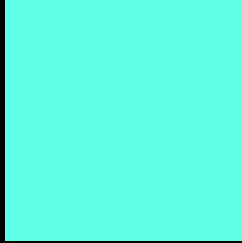
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.6590, 79.6129, 87.3489 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 54.6590, 79.6129, 87.3489**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.6590, 79.6129, 87.3489.



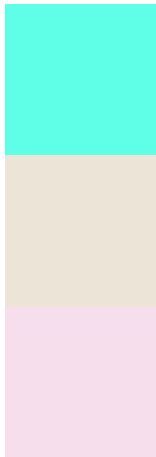
This preview shows how white text looks on a background with the XYZ color 54.6590, 79.6129,



# 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

54.6590, 79.6129, 87.3489

### Protanopia

74.6012, 78.2260, 75.4572

### Deuteranopia

79.7651, 78.1311, 90.9975



## Tritanopia

65.9506, 79.0491, 106.3898

# Trichromacy



## Original Color

54.6590, 79.6129, 87.3489



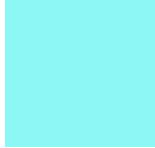
## Protanomaly

63.2600, 76.5067, 79.1433



## Deuteranomaly

65.7600, 75.8625, 89.0189



## Tritanomaly

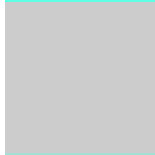
60.8798, 78.8381, 99.1973

# Monochromacy



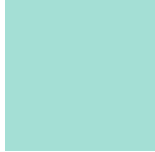
## Original Color

54.6590, 79.6129, 87.3489



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

53.7078, 65.4720, 72.7574

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.6590, 79.6129, 87.3489 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(94, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(94, 255, 230)  
}
```

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(94, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 255, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 54.6590, 79.6129, 87.3489 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(94, 255, 230) }
```



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

```
.border{ border-color:rgb(94, 255, 230) }
```

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

Here you see how a box with a 4 pixel rgb(94, 255, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(94, 255,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.6590, 79.6129, 87.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 255, 230) }
```

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

```
.background{ background-color: rgb(94, 255,  
230) }
```

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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