

# Converting Colors

XYZ(58.9120, 81.6524, 79.3553)

Have a look what the booklet for  
XYZ(58.9120, 81.6524, 79.3553)  
contains.

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# Color

**XYZ(58.8755, 81.4871,  
79.6433)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BFEDB
RGB	139, 254, 219
RGB Percent	55%, 100%, 86%
CMY	0.4549, 0.0039, 0.1412
CMYK	0.45, 0.00, 0.14, 0.00
HSL	162°, 98%, 77%
HSV	162°, 45%, 100%
XYZ	58.8755, 81.4871, 79.6433
YIQ	215.6250, -57.3050, -35.2650

# Conversions

## Conversions Part 2

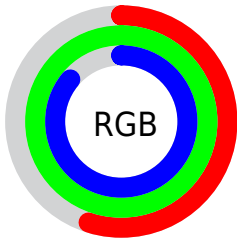
Format	Color
<a href="#">RYB</a>	<a href="#">139, 207, 254</a>
Decimal	<a href="#">9174747</a>
CIELab	<a href="#">92.35, -40.80, 6.60</a>
CIELCh	<a href="#">92, 41.327, 170.804</a>
Yxy	<a href="#">81.4871, 0.2676, 0.3704</a>
Android (android.graphics.Color)	<a href="#">4287364827 (0xFF8BFEDB)</a>
YUV	<a href="#">215.6250, 1.6639, -67.2001</a>
Hunter-Lab	<a href="#">90.2702, -41.5526, 10.8790</a>

# Details

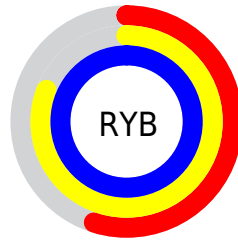
The XYZ color **58.8755, 81.4871, 79.6433** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.7485, 42.5943, 45.2255**, and the grayscale version is **65.0341, 68.4209, 74.5104**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **29.9754, 44.3183, 42.0964** is the 20% darker color. If you saturate the color by 10%, you get **54.1230, 79.1541, 74.2318**, and if you desaturate by 10%, it is **64.6650, 84.3534, 85.3536**.

# Distribution



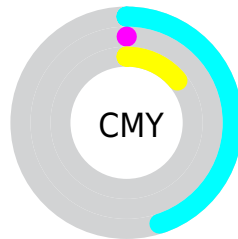
- Red (55%)
- Green (100%)
- Blue (86%)



- Red (55%)
- Yellow (81%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)



- Cyan (45%)
- Magenta (0%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8755, 81.4871, 79.6433 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 58.8755, 81.4871, 79.6433 by changing the saturation by 10% instead.





 58.8755, 81.4871,  
79.6433


 58.8755, 81.4871,  
79.6433


410.3419,  
499.9304, 513.4049

 42.7589, 60.9429,  
58.9004


 102.3124,  
135.4545, 134.6710

 29.8897, 44.1790,  
42.1135


 130.3633,  
169.6465, 169.7929

 19.9025, 30.8113,  
28.8639


163.1231,  
209.1564, 210.5448

 12.4321, 20.4552,  
18.7332

200.9571,  
254.3688, 257.3454

 7.1129, 12.7264,  
11.3028

244.2306,  
305.6680, 310.6132

 3.5798, 7.2404,  
6.1542

293.3090,

 1.4673, 3.6129,

363.4384, 370.7667

2.8687

348.5576,  
428.0644, 438.2244

■ 0.3034, 1.4595,  
1.0280

■ 0.0000, 0.2599,  
0.0000

■ 58.8755, 81.4871,  
79.6433

■ 58.8755, 81.4871,  
79.6433

■ 54.1230, 79.1541,  
74.2318

■ 64.6650, 84.3534,  
85.3536

■ 50.3309, 77.3087,  
69.1071

■ 71.5478, 87.7757,  
91.3634

■ 47.4226, 75.9136,  
64.2638

■ 79.5842, 91.7872,  
97.6804

■ 45.3062, 74.9215,  
59.6942

■ 88.8281, 96.4154,  
104.3102

■ 43.8684, 74.2741,  
55.3895

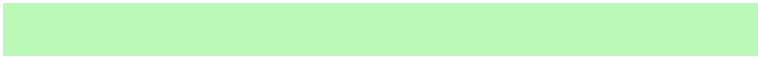
94.7332, 99.3665,  
108.7944

■ 43.3485, 74.0486,  
53.4431

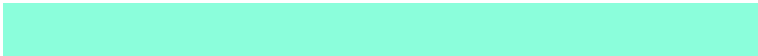
# Harmonies

## Analogous

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



62.5842, 81.4871, 56.4715



58.8755, 81.4871, 79.6433



59.7765, 81.4871, 111.3261

# Triad

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



58.8755, 81.4871, 79.6433



84.9856, 81.4871, 155.9409



91.1856, 81.4871, 50.4670

# Complementary

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



58.8755, 81.4871, 79.6433



57.7485, 42.5943, 45.2255

# 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.



98.3056, 81.4871, 69.4117



58.8755, 81.4871, 79.6433



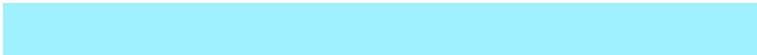
94.5034, 81.4871, 131.3859

# Square

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



58.8755, 81.4871, 79.6433



74.2112, 81.4871, 160.4730



99.5726, 81.4871, 98.4734

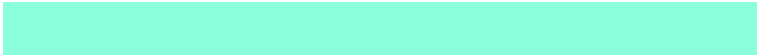


80.7838, 81.4871, 42.3671



# Rectangle

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



58.8755, 81.4871, 79.6433



62.9064, 81.4871, 133.0365



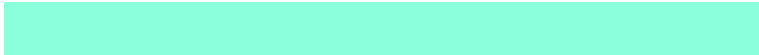
99.5726, 81.4871, 98.4734



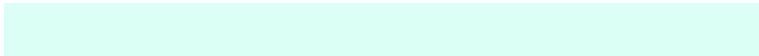
94.0808, 81.4871, 55.5404

# Sweetspot

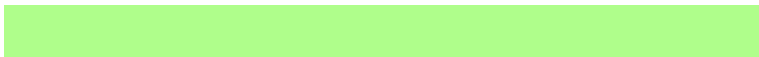
The Sweet Spot groups the original color and five complimentary colors.



58.8778, 81.4904, 79.6452



81.4133, 93.1664, 99.3867



57.8775, 81.9134, 37.1880



17.0224, 19.7398, 20.9709



0.0000, 0.0000, 0.0000

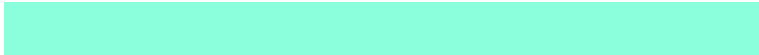


20.3446, 21.4041, 23.3091

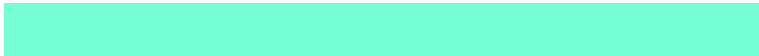


# Same Dimension

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



58.8778, 81.4904, 79.6452



55.1580, 80.1313, 75.5694



57.6548, 70.8785, 104.4119



18.3056, 20.3818, 21.9121



22.9217, 39.0653, 28.5369



2.2805, 3.8231, 3.0349



# Inverse Universe

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



57.7485, 42.5943, 45.2255



53.9127, 36.5632, 37.1131



58.1211, 48.1078, 30.6500



18.2370, 18.0781, 19.8649



22.3179, 11.4164, 5.0584

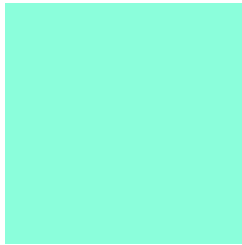


2.2191, 1.1300, 0.7355



# Previews

## White Background



This preview shows how the XYZ color 58.8755, 81.4871, 79.6433 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

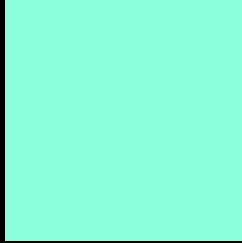
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.8755, 81.4871, 79.6433 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 58.8755, 81.4871, 79.6433**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.8755, 81.4871, 79.6433.



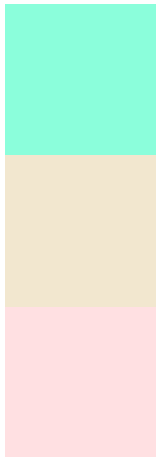
This preview shows how white text looks on a background with the XYZ color 58.8755, 81.4871,



# 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

58.8755, 81.4871, 79.6433

### Protanopia

76.4563, 80.5341, 70.5464

### Deuteranopia

81.6231, 80.0623, 83.1031



## Tritanopia

70.0518, 81.1634, 106.5817

# Trichromacy



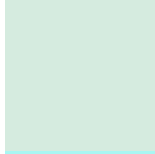
## Original Color

58.8755, 81.4871, 79.6433



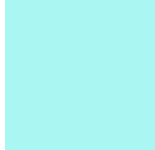
## Protanomaly

67.8012, 79.4153, 73.3832



## Deuteranomaly

70.4682, 78.8905, 81.3254



## Tritanomaly

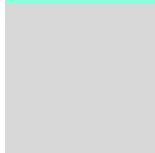
65.3450, 80.7574, 96.1481

# Monochromacy



## Original Color

58.8755, 81.4871, 79.6433



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

61.5602, 72.2947, 76.3554

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.8755, 81.4871, 79.6433 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(139, 254, 219)` looks like.

```
.text, #text, p{  
    color:rgb(139, 254, 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(139, 254, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 254, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 58.8755, 81.4871, 79.6433 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(139, 254, 219) }
```



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

```
.border{ border-color:rgb(139, 254, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 254, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 254, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 254, 219);  
box-shadow:4px 4px 4px 4px rgb(139, 254,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.8755, 81.4871, 79.6433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 254, 219) }
```

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

```
.background{ background-color: rgb(139,  
254, 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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