

# Converting Colors

XYZ(58.8627, 81.9528, 79.7339)

Have a look what the booklet for  
XYZ(58.8627, 81.9528, 79.7339)  
contains.

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# Color

**XYZ(58.8627, 81.9528,  
79.7339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89FFDB
RGB	137, 255, 219
RGB Percent	54%, 100%, 86%
CMY	0.4627, 0.0000, 0.1412
CMYK	0.46, 0.00, 0.14, 0.00
HSL	162°, 100%, 77%
HSV	162°, 46%, 100%
XYZ	58.8627, 81.9528, 79.7339
YIQ	215.6140, -58.7720, -36.2120

# Conversions

## Conversions Part 2

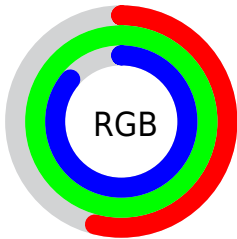
Format	Color
<a href="#">RYB</a>	<a href="#">137, 207, 255</a>
Decimal	<a href="#">9043931</a>
CIELab	<a href="#">92.55, -41.71, 6.89</a>
CIELCh	<a href="#">93, 42.280, 170.619</a>
Yxy	<a href="#">81.9528, 0.2669, 0.3716</a>
Android (android.graphics.Color)	<a href="#">4287234011</a> ( <a href="#">0xFF89FFDB</a> )
YUV	<a href="#">215.6140, 1.6693, -68.9445</a>
Hunter-Lab	<a href="#">90.5278, -42.3599, 11.1488</a>

# Details

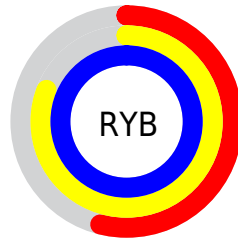
The XYZ color **58.8627, 81.9528, 79.7339** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.7292, 42.1696, 44.6329**, and the grayscale version is **65.0254, 68.4118, 74.5005**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **29.9555, 44.6463, 42.1607** is the 20% darker color. If you saturate the color by 10%, you get **54.1649, 79.6466, 74.2929**, and if you desaturate by 10%, it is **64.5978, 84.7882, 85.4761**.

# Distribution



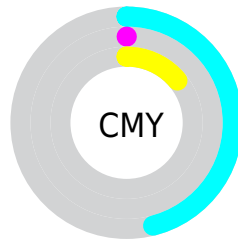
- Red (54%)
- Green (100%)
- Blue (86%)



- Red (54%)
- Yellow (81%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8627, 81.9528, 79.7339 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 58.8627, 81.9528, 79.7339 by changing the saturation by 10% instead.





 58.8627, 81.9528,  
79.7339


 58.8627, 81.9528,  
79.7339


410.2951,  
501.4898, 513.7187

 42.7485, 61.3266,  
58.9745


 102.2939,  
136.1078, 134.7996

 29.8815, 44.4888,  
42.1727


 130.3416,  
170.4054, 169.9429

 19.8963, 31.0550,  
28.9100

163.0978,  
210.0290, 210.7180

 12.4275, 20.6407,  
18.7677

200.9280,  
255.3629, 257.5434

 7.1098, 12.8616,  
11.3275

244.1975,  
306.7916, 310.8377

 3.5778, 7.3333,  
6.1706

293.2716,

 1.4662, 3.6714,

364.6993, 371.0193

2.8786

348.5157,  
429.4706, 438.5068

■ 0.3026, 1.4915,  
1.0330

■ 0.0000, 0.2827,  
0.0000

■ 58.8627, 81.9528,  
79.7339

■ 58.8627, 81.9528,  
79.7339

■ 54.1649, 79.6466,  
74.2929

■ 64.5978, 84.7882,  
85.4761

■ 50.4305, 77.8316,  
69.1421

■ 71.4320, 88.1846,  
91.5216

■ 47.5796, 76.4666,  
64.2758

■ 79.4251, 92.1729,  
97.8777

■ 45.5179, 75.5032,  
59.6860

■ 88.6320, 96.7810,  
104.5503

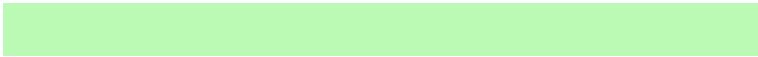
■ 44.1278, 74.8809, 95.0500, 100.0000,  
55.3636 108.9000

■ 43.7163, 74.7025,  
53.8172

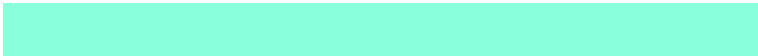
# Harmonies

## Analogous

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



62.6860, 81.9528, 56.1004



58.8627, 81.9528, 79.7339



59.7550, 81.9528, 112.2672

# Triad

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



58.8627, 81.9528, 79.7339



85.5686, 81.9528, 158.6425



92.0737, 81.9528, 50.1770

# Complementary

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



58.8627, 81.9528, 79.7339



57.7292, 42.1696, 44.6329

# 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.



99.3751, 81.9528, 69.5863



58.8627, 81.9528, 79.7339



95.3812, 81.9528, 133.3636

# Square

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



58.8627, 81.9528, 79.7339



74.5022, 81.9528, 163.1830



100.6393, 81.9528, 99.4574

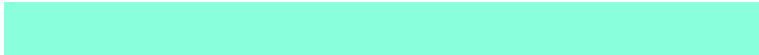


81.3865, 81.9528, 41.8783



# Rectangle

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



58.8627, 81.9528, 79.7339



62.9400, 81.9528, 134.6759



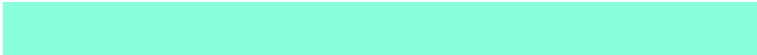
100.6393, 81.9528, 99.4574



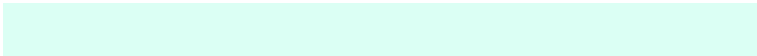
95.0460, 81.9528, 55.3693

# Sweetspot

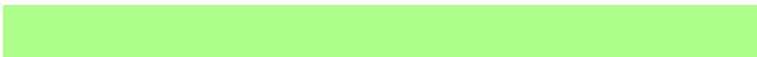
The Sweet Spot groups the original color and five complimentary colors.



58.8636, 81.9533, 79.7353



81.4094, 93.1649, 99.3664



57.8136, 82.3674, 36.5197



17.0215, 19.7394, 20.9659



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

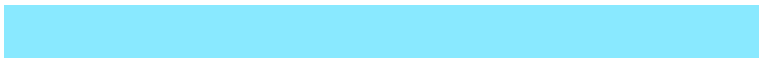
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.8636, 81.9533, 79.7353



54.2801, 79.7029, 74.4376



57.6102, 71.0247, 105.2805



18.3050, 20.3815, 21.9091



22.9124, 39.0615, 28.4875



2.2796, 3.8228, 3.0304



# Inverse Universe

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



57.7292, 42.1696, 44.6329



53.0371, 35.2849, 35.3636



58.0913, 47.7376, 29.8208



18.2375, 18.0783, 19.8678



22.3213, 11.4178, 5.0767

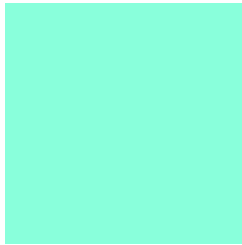


2.2195, 1.1302, 0.7375



# Previews

## White Background



This preview shows how the XYZ color 58.8627, 81.9528, 79.7339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

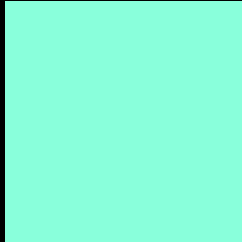
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.8627, 81.9528, 79.7339 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

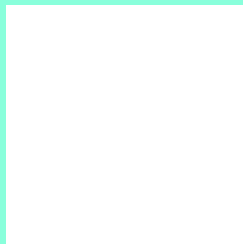
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.8627, 81.9528, 79.7339**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.8627, 81.9528, 79.7339.



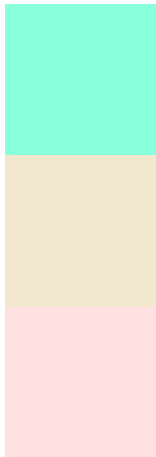
This preview shows how white text looks on a background with the XYZ color 58.8627, 81.9528,



# 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

58.8627, 81.9528, 79.7339

### Protanopia

76.4563, 80.5341, 70.5464

### Deuteranopia

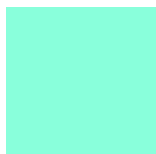
81.8927, 80.6014, 83.1929



## Tritanopia

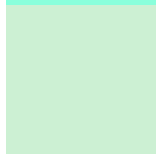
70.2956, 81.2891, 106.5931

# Trichromacy



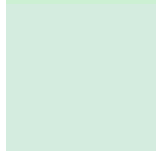
## Original Color

58.8627, 81.9528, 79.7339



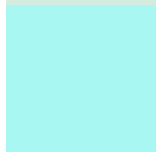
## Protanomaly

67.8198, 79.8607, 73.4682



## Deuteranomaly

70.4661, 79.3157, 81.4075



## Tritanomaly

65.6500, 81.3673, 96.2498

# Monochromacy



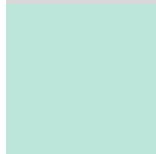
## Original Color

58.8627, 81.9528, 79.7339



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

61.3147, 72.1682, 76.3439

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.8627, 81.9528, 79.7339 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(137, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(137, 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(137, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 58.8627, 81.9528, 79.7339 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(137, 255, 219) }
```



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

```
.border{ border-color:rgb(137, 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(137, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.8627, 81.9528, 79.7339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 219) }
```

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

```
.background{ background-color: rgb(137,  
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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