

# Converting Colors

Hex(80E59A)

Have a look what the booklet for  
Hex(80E59A) contains.

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# **Color**

**Hex(80E59A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80E59A
RGB	128, 229, 154
RGB Percent	50%, 90%, 60%
CMY	0.4980, 0.1020, 0.3961
CMYK	0.44, 0.00, 0.33, 0.10
HSL	135°, 66%, 70%
HSV	135°, 44%, 90%
XYZ	42.7541, 62.9609, 40.4711
YIQ	190.2510, -36.1210, -44.7370

# Conversions

## Conversions Part 2

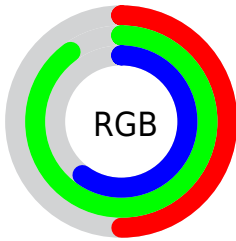
Format	Color
<a href="#">RYB</a>	<a href="#">128, 208, 229</a>
Decimal	<a href="#">8447386</a>
CIELab	<a href="#">83.42, -45.44, 27.62</a>
CIElCh	<a href="#">83, 53.173, 148.709</a>
Yxy	<a href="#">62.9609, 0.2925, 0.4307</a>
Android (android.graphics.Color)	<a href="#">4286637466 (0xFF80E59A)</a>
YUV	<a href="#">190.2510, -17.8717, -54.5941</a>
Hunter-Lab	<a href="#">79.3479, -42.6797, 25.3029</a>

# Details

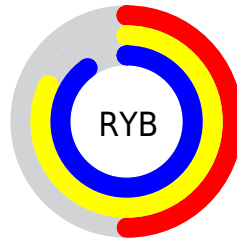
The Hex color **80E59A** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **E580CB**, and the grayscale version is **BEBEBE**.

A 20% lighter version of the original color is **B9FFD1**, and **47AD66** is the 20% darker color. If you saturate the color by 10%, you get **69E589**, and if you desaturate by 10%, it is **97E5AB**.

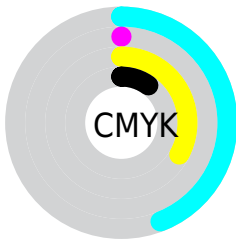
# Distribution



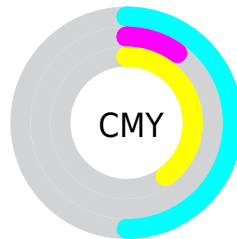
- Red (50%)
- Green (90%)
- Blue (60%)



- Red (50%)
- Yellow (82%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (33%)
- Black (10%)



- Cyan (50%)
- Magenta (10%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80E59A 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 Hex color 80E59A by changing the saturation by 10% instead.



 80E59A

 80E59A

FFFFFF

 64C980

 B9FFD1

 47AD66

 D6FFED

 27924E

 F4FFFF

 007736

 005E1F

 004507

 002E00

 001400

 000000

 80E59A

 80E59A

 69E589

 97E5AB

 52E578

 AEE5BC

 3BE567

 C5E5CD

 24E556

 DCE5DE

 0DE545

 F3E5EF

 00E53B

 FFE5FF

# Harmonies

## Analogous

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



BEDB75



80E59A



03EACC

# Triad

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



80E59A



78D6FF



FFABA2

# Complementary

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



80E59A



E580CB

# 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.



FFA7D4



80E59A



D1C4FF

# Square

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



80E59A



00E2FF



FFB1FF



FFBA7B

# Rectangle

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



80E59A



00EAEE



FFB1FF



FFA8B2

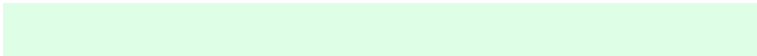


# Sweetspot

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



80E59A



DEFFE6



CCE580



6B8070



000000



808080



# Same Dimension

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



80E59A



78FF9B



80E5CC



67736A



00B32E



00330D



# Inverse Universe

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



E580CB



FF78DC



E58099



736770



B30085



330026



# Previews

## White Background



This preview shows how the Hex color 80E59A 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 Hex color 80E59A looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

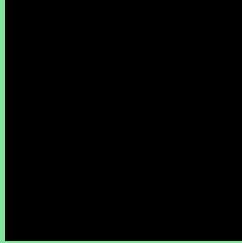
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 80E59A Background



This preview shows how black text looks on a background with the Hex color 80E59A.

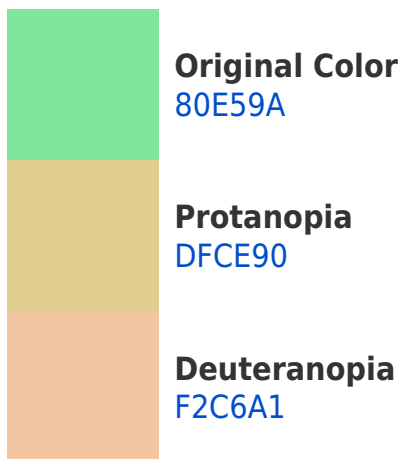


This preview shows how white text looks on a background with the Hex color 80E59A.

# 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



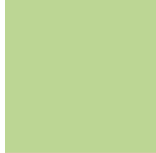


**Tritanopia**  
93DBEC

# Trichromacy



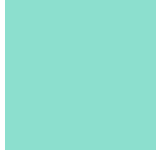
**Original Color**  
80E59A



**Protanomaly**  
BCD694



**Deuteranomaly**  
C9D19E

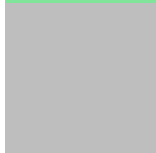


**Tritanomaly**  
8CDFCE

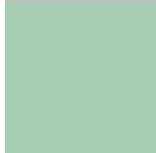
# Monochromacy



**Original Color**  
80E59A



**Achromatopsia**  
BEBEBE



**Achromatomaly**  
A7CCB1

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80E59A 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 #80E59A looks like.

```
.text, #text, p{  
    color:#80E59A  
}
```

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 #80E59A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80E59A
}
```

## Border

The CSS property to change the border of an element to Hex 80E59A 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
#80E59A }
```

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

```
.border{ border-color:#80E59A }
```

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

Here you see how a box with a 4 pixel #80E59A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80E59A; -webkit-box-shadow:4px 4px  
4px 4px #80E59A; box-shadow:4px 4px 4px  
4px #80E59A }
```

# Background

The CSS property to change the background color of an element to Hex 80E59A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80E59A }
```

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

```
.background{ background-color:#80E59A }
```

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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