

# Converting Colors

Hex(64E28F)

Have a look what the booklet for  
Hex(64E28F) contains.

<b>Hex(64E28F)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(64E28F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64E28F
RGB	100, 226, 143
RGB Percent	39%, 89%, 56%
CMY	0.6078, 0.1137, 0.4392
CMYK	0.56, 0.00, 0.37, 0.11
HSL	140°, 68%, 64%
HSV	140°, 56%, 89%
XYZ	37.4098, 59.0852, 35.4195
YIQ	178.8640, -48.4530, -52.5250

# Conversions

## Conversions Part 2

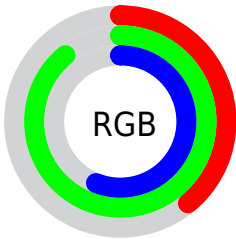
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">100, 194, 226</a>
Decimal	<a href="#">6611599</a>
CIELab	<a href="#">81.34, -53.14, 30.28</a>
CIELCh	<a href="#">81, 61.157, 150.327</a>
Yxy	<a href="#">59.0852, 0.2836, 0.4479</a>
Android (android.graphics.Color)	<a href="#">4284801679 (0xFF64E28F)</a>
YUV	<a href="#">178.8640, -17.6810, -69.1637</a>
Hunter-Lab	<a href="#">76.8669, -47.6442, 26.4866</a>

# Details

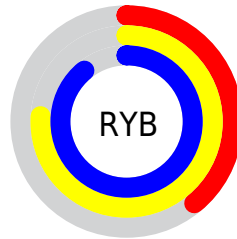
The Hex color **64E28F** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **E264B7**, and the grayscale version is **B3B3B3**.

A 20% lighter version of the original color is **9FFFC5**, and **1DAA5C** is the 20% darker color. If you saturate the color by 10%, you get **4DE280**, and if you desaturate by 10%, it is **7BE29E**.

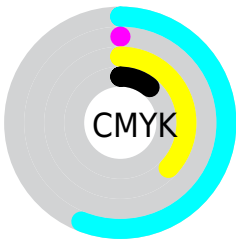
# Distribution



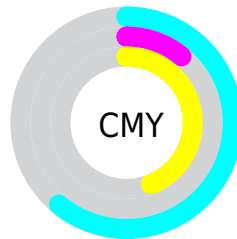
- Red (39%)
- Green (89%)
- Blue (56%)



- Red (39%)
- Yellow (76%)
- Blue (89%)



- Cyan (56%)
- Magenta (0%)
- Yellow (37%)
- Black (11%)



- Cyan (61%)
- Magenta (11%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64E28F 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 64E28F by changing the saturation by 10% instead.



 64E28F

FFFFFF

 9FFFC5

 BDFFE2

 DBFFFE

 F9FFFF

 64E28F

 44C575

 1DAA5C

 008E43

 00742C

 005A14

 004100

 002B00

 000900

 000000

 64E28F

 64E28F

 4DE280

 7BE29E

 37E271

 91E2AD

 20E262

 A8E2BC

 0AE253

 BEE2CB

 00E24D

 D5E2D9

 ECE2E8

 FFE2F7

 FFE2FF

# Harmonies

## Analogous

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



B0D862



64E28F



00E7C9

# Triad

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



64E28F



5AD0FF



FF9F93

# Complementary

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



64E28F



E264B7

# 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.



FF99CC



64E28F



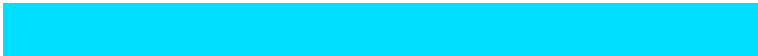
CEBBFF

# Square

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



64E28F



00DFFF



FFA5FF



FFB267

# Rectangle

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



64E28F



00E7F0



FFA5FF



FF9BA5

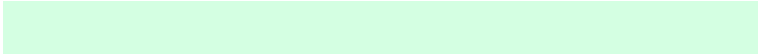


# Sweetspot

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



64E28F



D4FFE2



B8E264



66806F



000000



808080



# Same Dimension

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



64E28F



54FF8E



64E2CD



657069



00B03C



003011



# Inverse Universe

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



E264B7



FF54C5



E26479



70656C



B00074

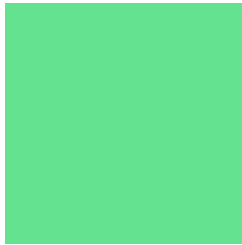


300020



# Previews

## White Background



This preview shows how the Hex color 64E28F 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

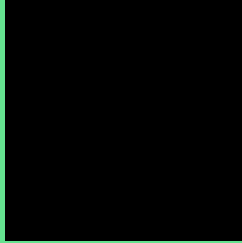
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 64E28F Background



This preview shows how black text looks on a background with the Hex color 64E28F.

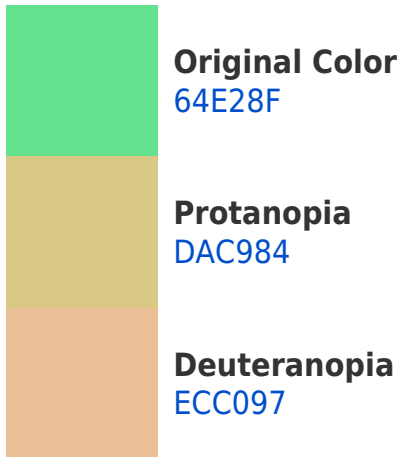


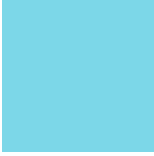
This preview shows how white text looks on a background with the Hex color 64E28F.

# 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](#).

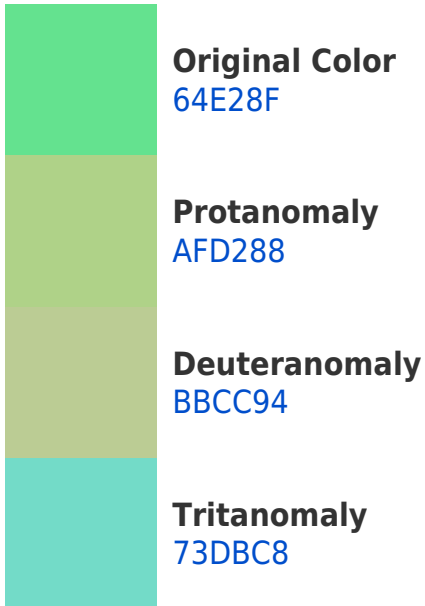
## Dichromacy



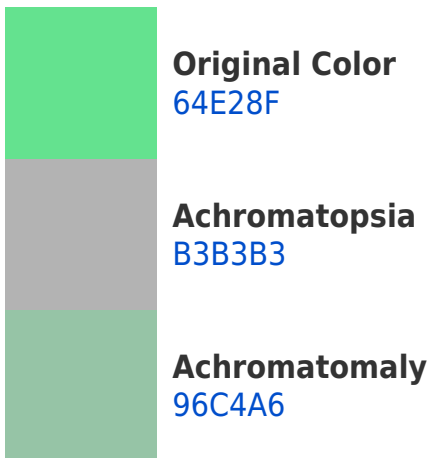


**Tritanopia**  
7CD7E8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64E28F 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 #64E28F looks like.

```
.text, #text, p{  
    color:#64E28F  
}
```

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 #64E28F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64E28F
}
```

## Border

The CSS property to change the border of an element to Hex 64E28F 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
#64E28F }
```

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

```
.border{ border-color:#64E28F }
```

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

Here you see how a box with a 4 pixel #64E28F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64E28F; -webkit-box-shadow:4px 4px  
4px 4px #64E28F; box-shadow:4px 4px 4px  
4px #64E28F }
```

# Background

The CSS property to change the background color of an element to Hex 64E28F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64E28F }
```

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

```
.background{ background-color:#64E28F }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor