

# Converting Colors

Hex(78E350)

Have a look what the booklet for  
Hex(78E350) contains.

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**Color**

**Hex(78E350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78E350
RGB	120, 227, 80
RGB Percent	47%, 89%, 31%
CMY	0.5294, 0.1098, 0.6863
CMYK	0.47, 0.00, 0.65, 0.11
HSL	104°, 72%, 60%
HSV	104°, 65%, 89%
XYZ	36.6628, 59.5104, 17.1437
YIQ	178.2490, -16.5850, -68.4010

# Conversions

## Conversions Part 2

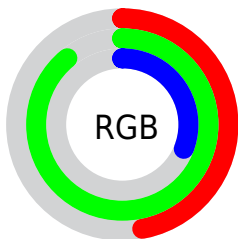
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 227, 187
Decimal	7922512
CIELab	81.57, -56.60, 60.23
CIELCh	82, 82.648, 133.219
Yxy	59.5104, 0.3235, 0.5252
Android (android.graphics.Color)	4286112592 (0xFF78E350)
YUV	178.2490, -48.4368, -51.0844
Hunter-Lab	77.1430, -50.1668, 40.8239

# Details

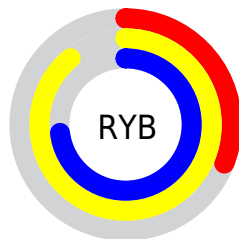
The Hex color **78E350** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **BB50E3**, and the grayscale version is **B3B3B3**.

A 20% lighter version of the original color is **B3FF87**, and **39AB10** is the 20% darker color. If you saturate the color by 10%, you get **67E339**, and if you desaturate by 10%, it is **89E367**.

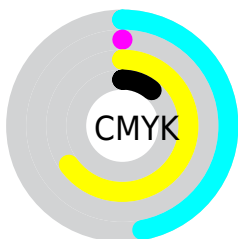
# Distribution



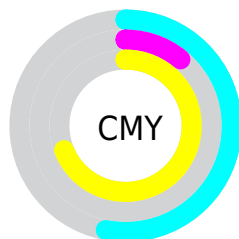
- Red (47%)
- Green (89%)
- Blue (31%)



- Red (31%)
- Yellow (89%)
- Blue (73%)



- Cyan (47%)
- Magenta (0%)
- Yellow (65%)
- Black (11%)



- Cyan (53%)
- Magenta (11%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78E350 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 78E350 by changing the saturation by 10% instead.



 78E350

 78E350


FFFFFF

 5AC634

 B3FF87

 39AB10

 D1FFA3

 088F00

 EFFFBF

 007500

 FFFFDC

 005B00

 FFFFF9

 004200

 002C00

 000B00

 000000

 78E350

 78E350

 67E339

 89E367

 57E323

 99E37D

 46E30C

 AAE394

 3EE300

 BAE3AB

 CBE3C1

 DBE3D8

 ECE3EF

 FCE3FF

 FFE3FF

# Harmonies

## Analogous

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



D1D20B



78E350



00EC9B

# Triad

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



78E350



00E0FF



FF7EAC

# Complementary

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



78E350



BB50E3

# 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.



FF86F9



78E350



66C8FF

# Square

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



78E350



00ECFF



FAA6FF



FF9663

# Rectangle

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



78E350



00EFD1



FAA6FF



FF7CC6

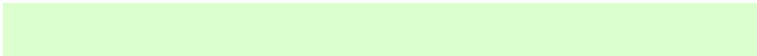


# Sweetspot

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



78E350



DCFFCF



E3B950



6A8062



000000



808080



# Same Dimension

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



78E350



6EFF38



50E370



6A7367



31B300



0E3300



# Inverse Universe

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



BB50E3



C938FF



E350C3



706773



8200B3

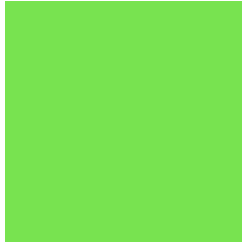


250033



# Previews

## White Background



This preview shows how the Hex color 78E350 looks on a white background.

## Color Contrast Check

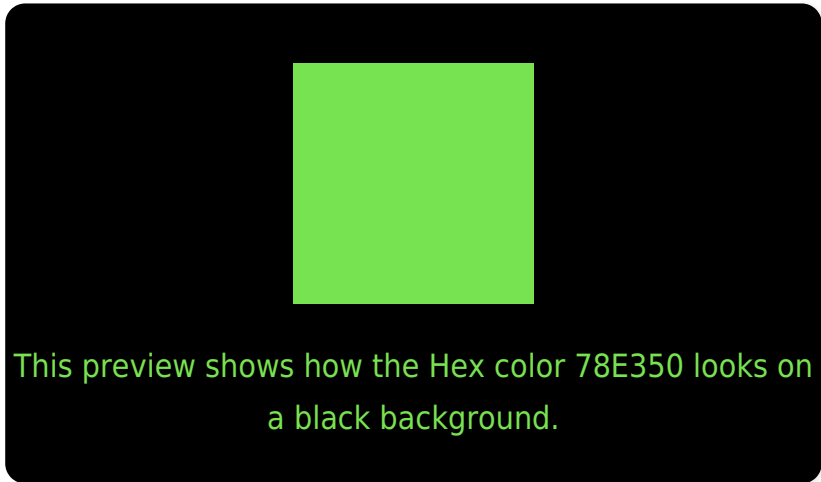
Large Text (above 18pt) WCAG AA × Fail

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 78E350 Background



This preview shows how black text looks on a background with the Hex color 78E350.

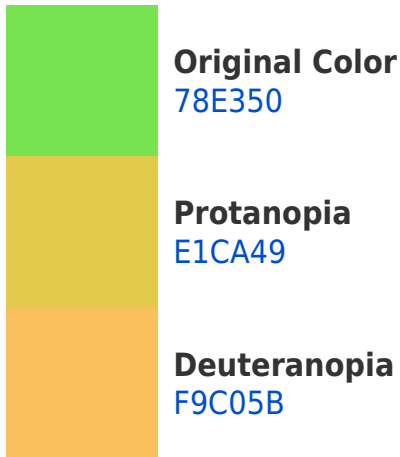


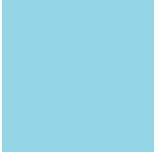
This preview shows how white text looks on a background with the Hex color 78E350.

# 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**  
93D4E5

# Trichromacy



**Original Color**  
78E350



**Protanomaly**  
BBD34C



**Deuteranomaly**  
CACD57

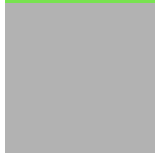


**Tritanomaly**  
89D9AF

# Monochromacy



**Original Color**  
78E350



**Achromatopsia**  
B2B2B2



**Achromatomaly**  
9DC48E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78E350 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 #78E350 looks like.

```
.text, #text, p{  
    color:#78E350  
}
```

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 #78E350 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78E350
}
```

## Border

The CSS property to change the border of an element to Hex 78E350 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
#78E350 }
```

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

```
.border{ border-color:#78E350 }
```

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

Here you see how a box with a 4 pixel #78E350 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78E350; -webkit-box-shadow:4px 4px  
4px 4px #78E350; box-shadow:4px 4px 4px  
4px #78E350 }
```

# Background

The CSS property to change the background color of an element to Hex 78E350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78E350 }
```

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

```
.background{ background-color:#78E350 }
```

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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