

Converting Colors

Hex(87D778)

Have a look what the booklet for
Hex(87D778) contains.

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Color

Hex(87D778)

Conversions

Conversions Part 1

Format	Color
Hex	87D778
RGB	135, 215, 120
RGB Percent	53%, 84%, 47%
CMY	0.4706, 0.1569, 0.5294
CMYK	0.37, 0.00, 0.44, 0.16
HSL	111°, 54%, 66%
HSV	111°, 44%, 84%
XYZ	37.6823, 55.1078, 26.4201
YIQ	180.2500, -17.1850, -46.5050

Conversions

Conversions Part 2

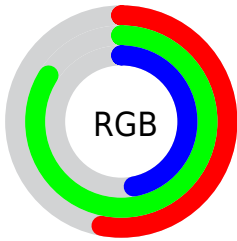
Format	Color
RYB	120, 215, 200
Decimal	8902520
CIELab	79.10, -42.62, 39.23
CIELCh	79, 57.921, 137.371
Yxy	55.1078, 0.3161, 0.4623
Android (android.graphics.Color)	4287092600 (0xFF87D778)
YUV	180.2500, -29.7033, -39.6842
Hunter-Lab	74.2347, -39.3022, 30.8629

Details

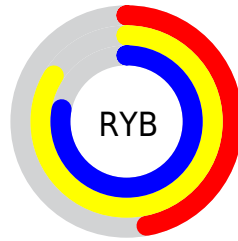
The Hex color **87D778** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **C878D7**, and the grayscale version is **B5B5B5**.

A 20% lighter version of the original color is **BFFFAE**, and **50A045** is the 20% darker color. If you saturate the color by 10%, you get **75D763**, and if you desaturate by 10%, it is **99D78E**.

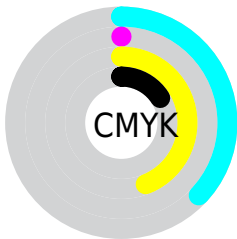
Distribution



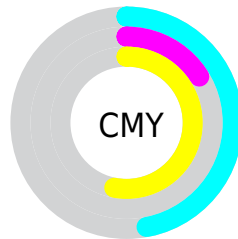
- Red (53%)
- Green (84%)
- Blue (47%)



- Red (47%)
- Yellow (84%)
- Blue (78%)



- Cyan (37%)
- Magenta (0%)
- Yellow (44%)
- Black (16%)



- Cyan (47%)
- Magenta (16%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87D778 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 87D778 by changing the saturation by 10% instead.

 87D778

 87D778

FFFFFF

 6BBB5E

 BFFFAE

 50A045

 DCFFC9

 34852C

 FAFFE6

 126B12

 005200

 003A00

 002600

 000000

 87D778

 87D778

 75D763

 99D78E

 63D74D

 ABD7A3

 51D737

 BDD7B9

 3FD722

 CFD7CE

 2CD70C

 E2D7E4

 22D700

 F4D7F9

 FFD7FF

Harmonies

Analogous

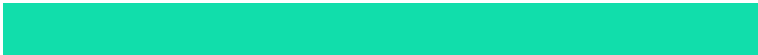
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



C5CB58



87D778



11DEAB

Triad

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



87D778



00D0FF



FF97A7

Complementary

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



87D778



C878D7

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.



FF99DD



87D778



A2BFFF

Square

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



87D778



00DBFF



EFA9FF



FFA577

Rectangle

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



87D778



00DFD0



EFA9FF



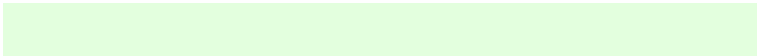
FF96B9

Sweetspot

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



87D778



E3FFDE



D7C778



6E806B



000000



808080

Same Dimension

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



87D778



8DFF78



78D798



626B60



1BAB00



072B00

Inverse Universe

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



C878D7



EA78FF



D778B7



69606B



9000AB



25002B

Previews

White Background



This preview shows how the Hex color 87D778 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 87D778 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 87D778 Background



This preview shows how black text looks on a background with the Hex color 87D778.

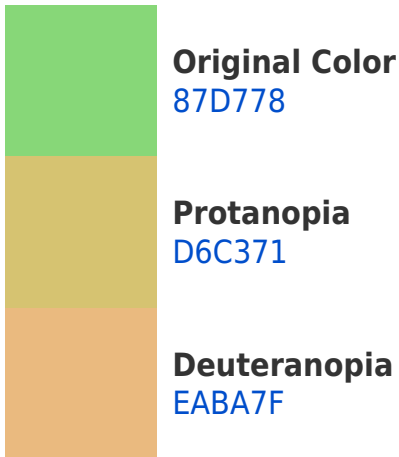


This preview shows how white text looks on a background with the Hex color 87D778.

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



Trichromacy



Original Color
87D778



Protanomaly
B9CA74



Deuteranomaly
C6C57C

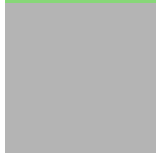


Tritanomaly
92D0B8

Monochromacy



Original Color
87D778



Achromatopsia
B4B4B4



Achromatomaly
A4C19E

CSS Examples

Text

The CSS property to change the color of the text to Hex 87D778 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 #87D778 looks like.

```
.text, #text, p{  
    color:#87D778  
}
```

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 #87D778 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87D778
}
```

Border

The CSS property to change the border of an element to Hex 87D778 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
#87D778 }
```

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

```
.border{ border-color:#87D778 }
```

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

Here you see how a box with a 4 pixel #87D778 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87D778; -webkit-box-shadow:4px 4px  
4px 4px #87D778; box-shadow:4px 4px 4px  
4px #87D778 }
```

Background

The CSS property to change the background color of an element to Hex 87D778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87D778 }
```

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

```
.background{ background-color:#87D778 }
```

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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