

# Converting Colors

Hex(76C775)

Have a look what the booklet for  
Hex(76C775) contains.

<b>Hex(76C775)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Hex(76C775)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76C775
RGB	118, 199, 117
RGB Percent	46%, 78%, 46%
CMY	0.5373, 0.2196, 0.5412
CMYK	0.41, 0.00, 0.41, 0.22
HSL	119°, 42%, 62%
HSV	119°, 41%, 78%
XYZ	31.1055, 45.9828, 24.0657
YIQ	165.4330, -21.9540, -42.6740

# Conversions

## Conversions Part 2

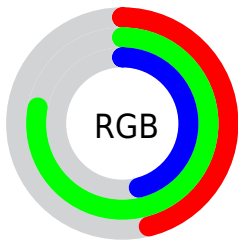
Format	Color
<a href="#">RYB</a>	<a href="#">117, 199, 198</a>
Decimal	<a href="#">7784309</a>
CIELab	<a href="#">73.53, -41.36, 33.45</a>
CIELCh	<a href="#">74, 53.191, 141.039</a>
Yxy	<a href="#">45.9828, 0.3075, 0.4546</a>
Android (android.graphics.Color)	<a href="#">4285974389 (0xFF76C775)</a>
YUV	<a href="#">165.4330, -23.8775, -41.5987</a>
Hunter-Lab	<a href="#">67.8106, -36.7884, 26.4256</a>

# Details

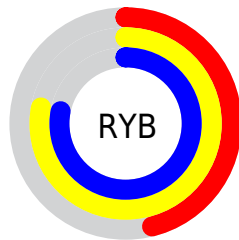
The Hex color **76C775** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **C675C7**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **AEFFAA**, and **3F9043** is the 20% darker color. If you saturate the color by 10%, you get **62C761**, and if you desaturate by 10%, it is **8AC789**.

# Distribution



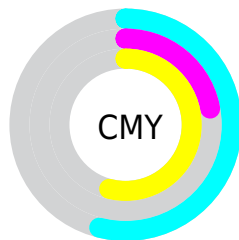
- Red (46%)
- Green (78%)
- Blue (46%)



- Red (46%)
- Yellow (78%)
- Blue (78%)



- Cyan (41%)
- Magenta (0%)
- Yellow (41%)
- Black (22%)



- Cyan (54%)
- Magenta (22%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 76C775 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 76C775 by changing the saturation by 10% instead.



 76C775

 76C775

FFFFFF

 5BAB5C

 AEFFAA

 3F9043

 CAFFC6

 21762B

 E7FFE2

 005D13

 004400

 002E00

 001500

 000000

 76C775

 76C775

 62C761

 8AC789

 4FC74D

 9DC79D

 3BC739

 B1C7B1

 27C725

 C5C7C5

 14C711

 D8C7D9

 02C700

 ECC7EC

 FFC7FF

# Harmonies

## Analogous

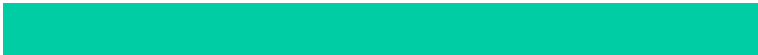
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



B0BC56



76C775



00CDA4

# Triad

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



76C775



26BEFF



FF8D94

# Complementary

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



76C775



C675C7

# 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.



FF8DC5



76C775



A1AEFF

# Square

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



76C775



00C9FF



E39AF3



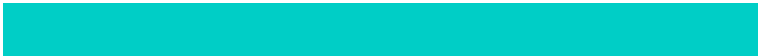
FF9B6A

# Rectangle

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



76C775



00CEC6



E39AF3



FF8BA4

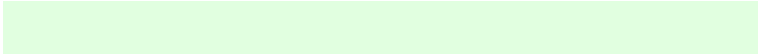


# Sweetspot

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



76C775



E1FFE0



C7C675



6E806E



000000



808080



# Same Dimension

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



76C775



84FF82



75C79D



5A635A



02A300



002400



# Inverse Universe

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



C675C7



FD82FF



C7759F



635A63



A100A3



230024



# Previews

## White Background



This preview shows how the Hex color 76C775 looks on a white background.

## Color Contrast Check

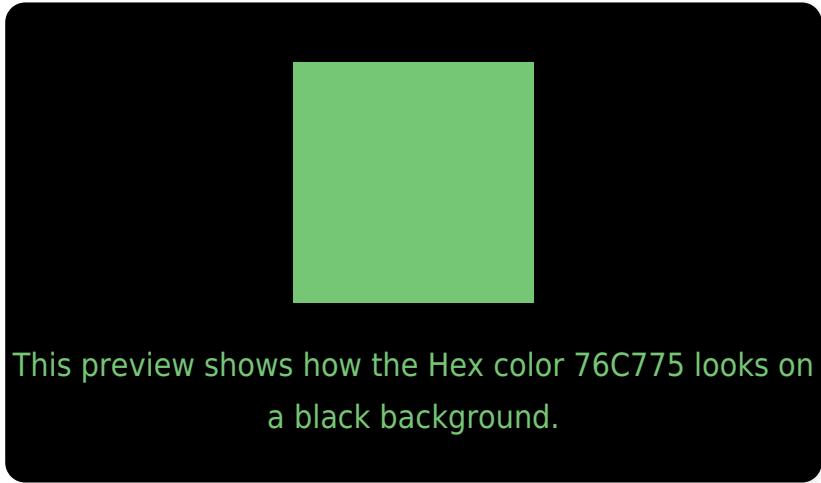
Large Text (above 18pt) WCAG AA × Fail

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 76C775 Background



This preview shows how black text looks on a background with the Hex color 76C775.

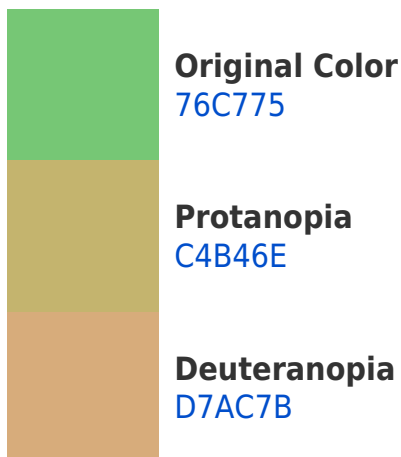


This preview shows how white text looks on a background with the Hex color 76C775.

# 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



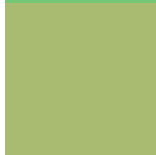


# Trichromacy



**Original Color**

76C775



**Protanomaly**

A8BB71



**Deuteranomaly**

B4B679



**Tritanomaly**

81C1AC

# Monochromacy



**Original Color**

76C775



**Achromatopsia**

A5A5A5



**Achromatomaly**

94B194

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 76C775 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 #76C775 looks like.

```
.text, #text, p{  
    color:#76C775  
}
```

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 #76C775 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #76C775
}
```

## Border

The CSS property to change the border of an element to Hex 76C775 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
#76C775 }
```

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

```
.border{ border-color:#76C775 }
```

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

Here you see how a box with a 4 pixel #76C775 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #76C775; -webkit-box-shadow:4px 4px  
4px 4px #76C775; box-shadow:4px 4px 4px  
4px #76C775 }
```

# Background

The CSS property to change the background color of an element to Hex 76C775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#76C775 }
```

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

```
.background{ background-color:#76C775 }
```

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