

# Converting Colors

Hex(68D575)

Have a look what the booklet for  
Hex(68D575) contains.

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**Color**

**Hex(68D575)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68D575
RGB	104, 213, 117
RGB Percent	41%, 84%, 46%
CMY	0.5922, 0.1647, 0.5412
CMYK	0.51, 0.00, 0.45, 0.16
HSL	127°, 56%, 62%
HSV	127°, 51%, 84%
XYZ	32.7141, 51.8159, 25.1069
YIQ	169.4650, -34.1480, -52.9640

# Conversions

## Conversions Part 2

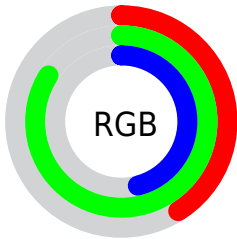
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	104, 201, 213
Decimal	6870389
CIELab	77.17, -51.19, 38.00
CIElCh	77, 63.754, 143.417
Yxy	51.8159, 0.2984, 0.4726
Android (android.graphics.Color)	4285060469 (0xFF68D575)
YUV	169.4650, -25.8652, -57.4128
Hunter-Lab	71.9833, -44.8483, 29.7087

# Details

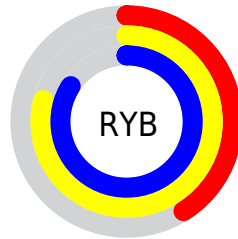
The Hex color **68D575** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **D568C8**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **A2FFAA**, and **299D42** is the 20% darker color. If you saturate the color by 10%, you get **53D562**, and if you desaturate by 10%, it is **7DD588**.

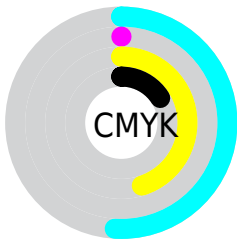
# Distribution



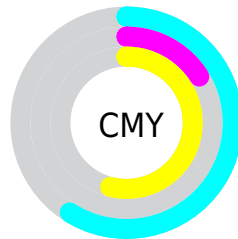
- Red (41%)
- Green (84%)
- Blue (46%)



- Red (41%)
- Yellow (79%)
- Blue (84%)



- Cyan (51%)
- Magenta (0%)
- Yellow (45%)
- Black (16%)



- Cyan (59%)
- Magenta (16%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68D575 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 68D575 by changing the saturation by 10% instead.



 68D575

 68D575

FFFFFF

 4AB95B

 A2FFAA

 299D42

 BFFFC6

 00832A

 DCFE2

 006910

 FAFFFF

 004F00

 003700

 002100

 000000

 68D575

 68D575

 53D562

 7DD588

 3DD54F

 93D59B

 28D53D

 A8D5AD

 13D52A

 BDD5C0

 00D519

 D3D5D3

 E8D5E6

 FDD5F8

 FFD5FF

# Harmonies

## Analogous

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



B2C94B



68D575



00DBAF

# Triad

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



68D575



00C9FF



FF8D93

# Complementary

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



68D575



D568C8

# 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.



FF8BCE



68D575



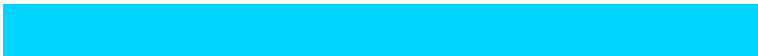
ABB4FF

# Square

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



68D575



00D6FF



FA9CFF



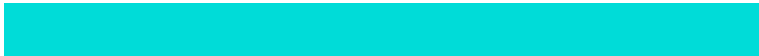
FFA061

# Rectangle

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



68D575



00DCD8



FA9CFF



FF8AA6

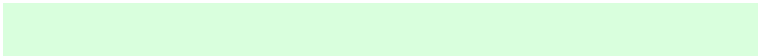


# Sweetspot

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



68D575



D9FFDD



C8D568



69806B



000000



808080



# Same Dimension

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



68D575



63FF76



68D5AB



606B62



00AB14



002B05



# Inverse Universe

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



D568C8



FF63EC



D56892



6B606A



AB0096

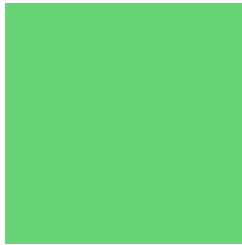


2B0026



# Previews

## White Background



This preview shows how the Hex color 68D575 looks on a white background.

## Color Contrast Check

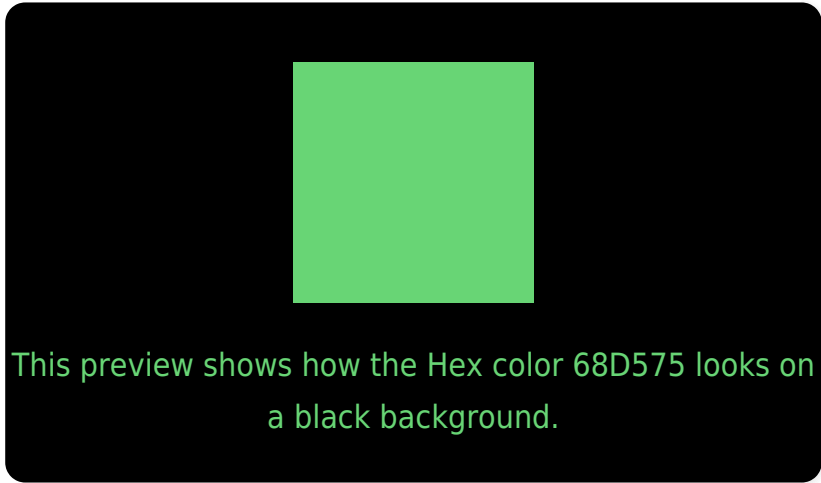
Large Text (above 18pt) WCAG AA × Fail

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

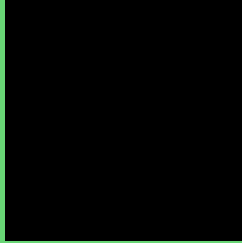
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 68D575 Background



This preview shows how black text looks on a background with the Hex color 68D575.

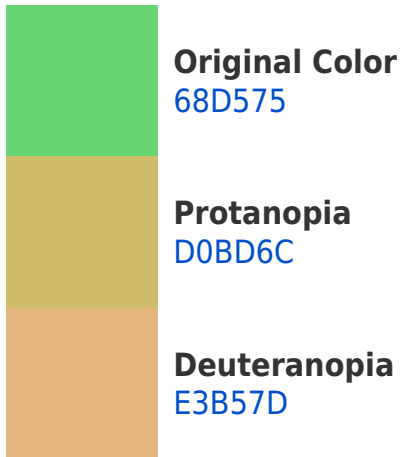


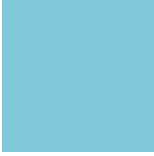
This preview shows how white text looks on a background with the Hex color 68D575.

# 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](#).

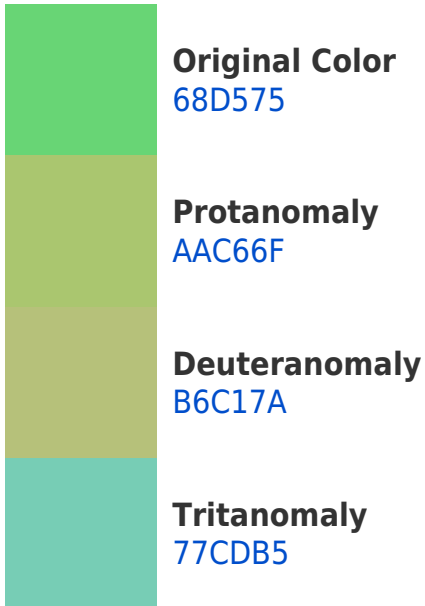
## Dichromacy



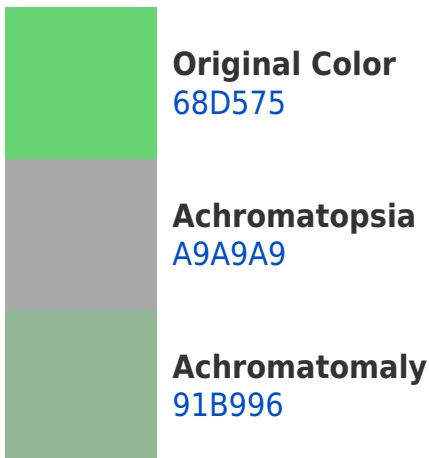


**Tritanopia**  
7FC9DA

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68D575 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 #68D575 looks like.

```
.text, #text, p{  
    color:#68D575  
}
```

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 #68D575 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68D575
}
```

## Border

The CSS property to change the border of an element to Hex 68D575 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
#68D575 }
```

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

```
.border{ border-color:#68D575 }
```

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

Here you see how a box with a 4 pixel #68D575 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68D575; -webkit-box-shadow:4px 4px  
4px 4px #68D575; box-shadow:4px 4px 4px  
4px #68D575 }
```

# Background

The CSS property to change the background color of an element to Hex 68D575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68D575 }
```

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

```
.background{ background-color:#68D575 }
```

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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