

# Converting Colors

Hex(76DD55)

Have a look what the booklet for  
Hex(76DD55) contains.

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**Color**

**Hex(76DD55)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76DD55
RGB	118, 221, 85
RGB Percent	46%, 87%, 33%
CMY	0.5373, 0.1333, 0.6667
CMYK	0.47, 0.00, 0.62, 0.13
HSL	105°, 67%, 60%
HSV	105°, 62%, 87%
XYZ	34.9674, 56.2203, 17.6030
YIQ	174.6990, -17.7320, -64.1320

# Conversions

## Conversions Part 2

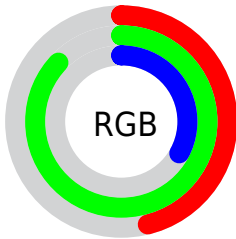
<b>Format</b>	<b>Color</b>
<b>RYB</b>	85, 221, 188
Decimal	7789909
CIELab	79.74, -54.40, 56.11
CIELCh	80, 78.153, 134.110
Yxy	56.2203, 0.3214, 0.5168
Android (android.graphics.Color)	4285979989 (0xFF76DD55)
YUV	174.6990, -44.2216, -49.7250
Hunter-Lab	74.9802, -47.9711, 38.5667

# Details

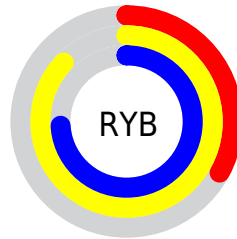
The Hex color **76DD55** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **BC55DD**, and the grayscale version is **AFAFAF**.

A 20% lighter version of the original color is **B0FF8B**, and **39A51B** is the 20% darker color. If you saturate the color by 10%, you get **65DD3F**, and if you desaturate by 10%, it is **87DD6B**.

# Distribution



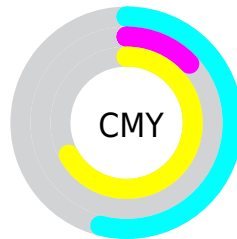
- Red (46%)
- Green (87%)
- Blue (33%)



- Red (33%)
- Yellow (87%)
- Blue (74%)



- Cyan (47%)
- Magenta (0%)
- Yellow (62%)
- Black (13%)



- Cyan (54%)
- Magenta (13%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 76DD55 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 76DD55 by changing the saturation by 10% instead.



 76DD55

 76DD55

FFFFFF

 58C13A

 B0FF8B

 39A51B

 CEFFA7

 0B8A00

 ECFFC3

 007000

 FFFFE0

 005600

FFFFFFD

 003E00

 002700

 000000

 76DD55

 76DD55

 65DD3F

 87DD6B

 55DD29

 97DD81

 44DD13

 A8DD97

 36DD00

 B9DDAD

 CADD C3

 DADD DA

 EBDD F0

 FCDD FF

 FFDD FF

# Harmonies

## Analogous

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



CACD1F



76DD55



00E69B

# Triad

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



76DD55



00D9FF



FF7FA6

# Complementary

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



76DD55



BC55DD

# 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.



FF85EF



76DD55



73C2FF

# Square

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



76DD55



00E5FF



F5A3FF



FF9663

# Rectangle

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



76DD55



00E8CE



F5A3FF



FF7EBF

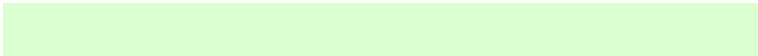


# Sweetspot

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



76DD55



DCFFD1



DDBB55



6A8063



000000



808080



# Same Dimension

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



76DD55



70FF42



55DD77



656E63



2AAD00



0B2E00



# Inverse Universe

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



BC55DD



D142FF



DD55BB



6B636E



8300AD

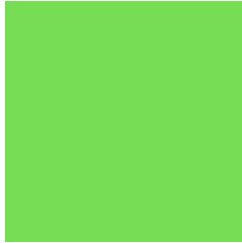


23002E



# Previews

## White Background



This preview shows how the Hex color 76DD55 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 76DD55 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 76DD55 Background



This preview shows how black text looks on a background with the Hex color 76DD55.

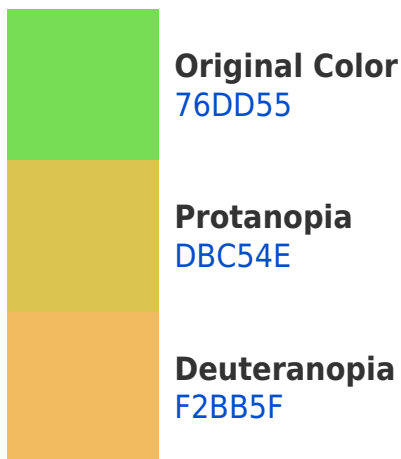


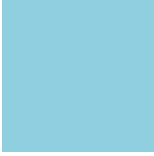
This preview shows how white text looks on a background with the Hex color 76DD55.

# 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**  
8FCFE0

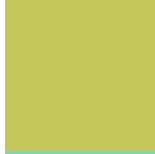
# Trichromacy



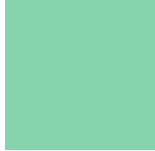
**Original Color**  
76DD55



**Protanomaly**  
B6CE51



**Deuteranomaly**  
C5C75B

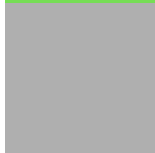


**Tritanomaly**  
86D4AD

# Monochromacy



**Original Color**  
76DD55



**Achromatopsia**  
AFAFAF



**Achromatomaly**  
9AC08E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 76DD55 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 #76DD55 looks like.

```
.text, #text, p{  
    color:#76DD55  
}
```

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 #76DD55 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #76DD55
}
```

## Border

The CSS property to change the border of an element to Hex 76DD55 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
#76DD55 }
```

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

```
.border{ border-color:#76DD55 }
```

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

Here you see how a box with a 4 pixel #76DD55 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #76DD55; -webkit-box-shadow:4px 4px  
4px 4px #76DD55; box-shadow:4px 4px 4px  
4px #76DD55 }
```

# Background

The CSS property to change the background color of an element to Hex 76DD55 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#76DD55 }
```

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

```
.background{ background-color:#76DD55 }
```

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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