

# Converting Colors

Hex(78DE61)

Have a look what the booklet for  
Hex(78DE61) contains.

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**Color**

**Hex(78DE61)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78DE61
RGB	120, 222, 97
RGB Percent	47%, 87%, 38%
CMY	0.5294, 0.1294, 0.6196
CMYK	0.46, 0.00, 0.56, 0.13
HSL	109°, 65%, 63%
HSV	109°, 56%, 87%
XYZ	36.0247, 57.0987, 20.4317
YIQ	177.2520, -20.6670, -60.4990

# Conversions

## Conversions Part 2

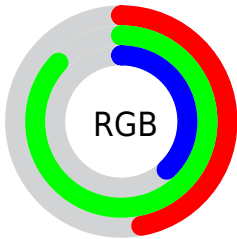
Format	Color
<a href="#">RYB</a>	<a href="#">97, 222, 199</a>
Decimal	<a href="#">7921249</a>
CIELab	<a href="#">80.24, -52.96, 51.42</a>
CIElCh	<a href="#">80, 73.817, 135.845</a>
Yxy	<a href="#">57.0987, 0.3172, 0.5028</a>
Android (android.graphics.Color)	<a href="#">4286111329 (0xFF78DE61)</a>
YUV	<a href="#">177.2520, -39.5642, -50.2100</a>
Hunter-Lab	<a href="#">75.5637, -47.1373, 36.8631</a>

# Details

The Hex color **78DE61** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **C761DE**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **B2FF97**, and **3CA62C** is the 20% darker color. If you saturate the color by 10%, you get **66DE4B**, and if you desaturate by 10%, it is **8ADE77**.

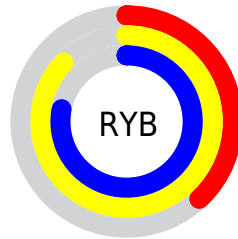
# Distribution



Red (47%)

Green (87%)

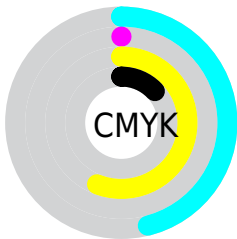
Blue (38%)



Red (38%)

Yellow (87%)

Blue (78%)

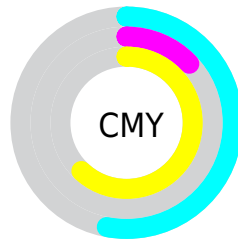


Cyan (46%)

Magenta (0%)

Yellow (56%)

Black (13%)



Cyan (53%)

Magenta (13%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78DE61 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 78DE61 by changing the saturation by 10% instead.



 78DE61

 78DE61

FFFFFF

 5BC247

 B2FF97

 3CA62C

 CFFFB3

 148B0A

 EDFFCF

 007100

 FFFFEC

 005700

 003F00

 002900

 000200

 000000

 78DE61

 78DE61

 66DE4B

 8ADE77

 54DE35

 9CDE8D

 42DE1E

 AEDEA4

 30DE08

 C0DEBA

 29DE00

 D3DED0

 E5DEE6

 F7DEFC

 FFDEFF

# Harmonies

## Analogous

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



C8CF33



78DE61



00E6A3

# Triad

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



78DE61



00D8FF



FF87A5

# Complementary

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



78DE61



C761DE

# 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.



FF8BEB



78DE61



88C2FF

# Square

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



78DE61



00E4FF



F9A5FF



FF9C66

# Rectangle

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



78DE61



00E8D3



F9A5FF



FF85BC

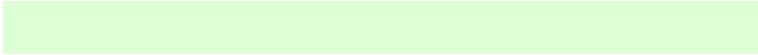


# Sweetspot

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



78DE61



DCFFD4



DEC561



6B8066



000000



808080



# Same Dimension

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



78DE61



72FF52



61DE87



677065



20B000



093000



# Inverse Universe

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



C761DE



DF52FF



DE61B9



6E6570



9000B0

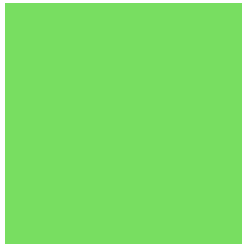


280030



# Previews

## White Background



This preview shows how the Hex color 78DE61 looks on a white background.

## Color Contrast Check

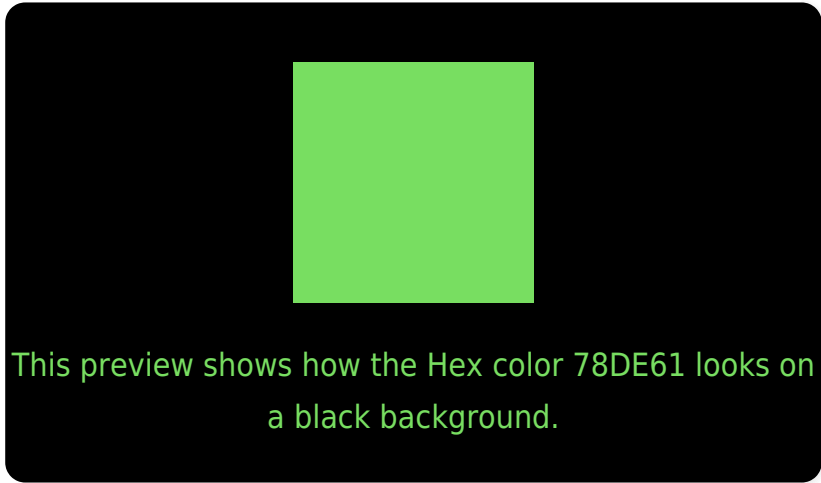
Large Text (above 18pt) WCAG AA × Fail

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 78DE61 Background



This preview shows how black text looks on a background with the Hex color 78DE61.

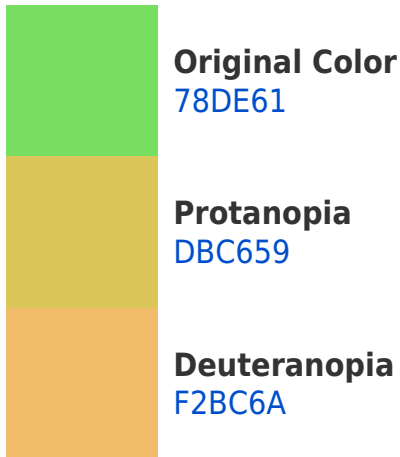


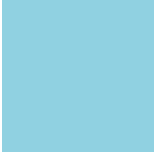
This preview shows how white text looks on a background with the Hex color 78DE61.

# 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](#).

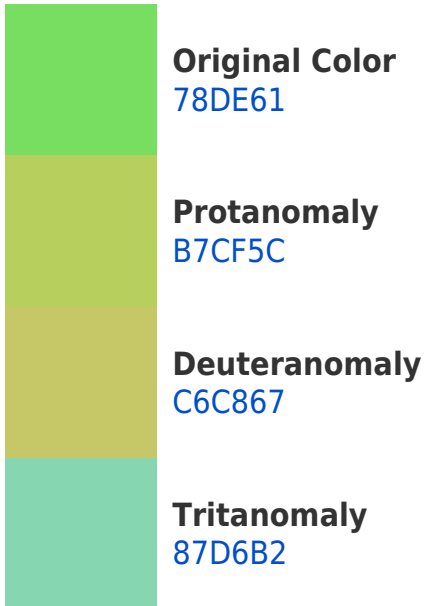
## Dichromacy



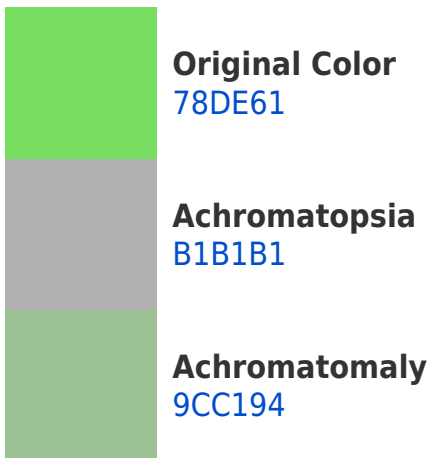


**Tritanopia**  
90D1E1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78DE61 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 #78DE61 looks like.

```
.text, #text, p{  
    color:#78DE61  
}
```

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 #78DE61 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78DE61
}
```

## Border

The CSS property to change the border of an element to Hex 78DE61 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
#78DE61 }
```

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

```
.border{ border-color:#78DE61 }
```

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

Here you see how a box with a 4 pixel #78DE61 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78DE61; -webkit-box-shadow:4px 4px  
4px 4px #78DE61; box-shadow:4px 4px 4px  
4px #78DE61 }
```

# Background

The CSS property to change the background color of an element to Hex 78DE61 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78DE61 }
```

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

```
.background{ background-color:#78DE61 }
```

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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