

Converting Colors

Hex(77DE70)

Have a look what the booklet for
Hex(77DE70) contains.

Hex(77DE70)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(77DE70)

Conversions

Conversions Part 1

Format	Color
Hex	77DE70
RGB	119, 222, 112
RGB Percent	47%, 87%, 44%
CMY	0.5333, 0.1294, 0.5608
CMYK	0.46, 0.00, 0.50, 0.13
HSL	116°, 62%, 65%
HSV	116°, 50%, 87%
XYZ	36.6537, 57.3343, 24.4640
YIQ	178.6630, -26.0780, -56.0460

Conversions

Conversions Part 2

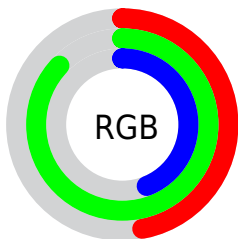
Format	Color
RYB	112, 222, 215
Decimal	7855728
CIELab	80.37, -51.44, 44.56
CIELCh	80, 68.056, 139.095
Yxy	57.3343, 0.3094, 0.4840
Android (android.graphics.Color)	4286045808 (0xFF77DE70)
YUV	178.6630, -32.8649, -52.3245
Hunter-Lab	75.7194, -46.1022, 33.8477

Details

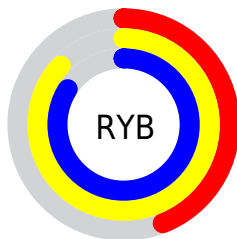
The Hex color **77DE70** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **D770DE**, and the grayscale version is **B3B3B3**.

A 20% lighter version of the original color is **B1FFA6**, and **3BA63D** is the 20% darker color. If you saturate the color by 10%, you get **62DE5A**, and if you desaturate by 10%, it is **8CDE86**.

Distribution



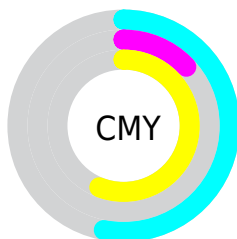
- Red (47%)
- Green (87%)
- Blue (44%)



- Red (44%)
- Yellow (87%)
- Blue (84%)



- Cyan (46%)
- Magenta (0%)
- Yellow (50%)
- Black (13%)



- Cyan (53%)
- Magenta (13%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 77DE70 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 77DE70 by changing the saturation by 10% instead.

 77DE70

 77DE70

FFFFFF

 5AC256

 B1FFA6

 3BA63D

 CEFFC1

 158B22

 ECFFDE

 007102

 FFFFFB

 005700

 003F00

 002900

 000300

 000000

 77DE70

 77DE70

 62DE5A

 8CDE86

 4DDE44

 A1DE9C

 39DE2D

 B5DEB3

 24DE17

 CADEC9

 0FDE01

 DFDEDF

 0EDE00

 F4DEF5

 FFDEFF

Harmonies

Analogous

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



C3D046



77DE70



00E5AD

Triad

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



77DE70



00D5FF



FF90A1

Complementary

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



77DE70



D770DE

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.



FF91E1



77DE70



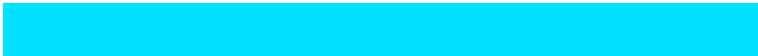
A0C0FF

Square

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



77DE70



00E2FF



FEA6FF



FFA369

Rectangle

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



77DE70



00E7D9



FEA6FF



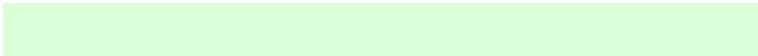
FF8EB6

Sweetspot

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



77DE70



DBFFD9



DED770



6A8069



000000



808080

Same Dimension

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



77DE70



72FF69



70DEA0



667065



0BB000



033000

Inverse Universe

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



D770DE



F569FF



DE70AE



6F6570



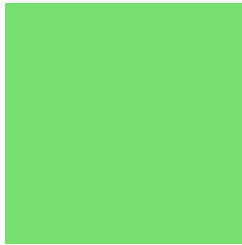
A500B0



2D0030

Previews

White Background



This preview shows how the Hex color 77DE70 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 77DE70 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

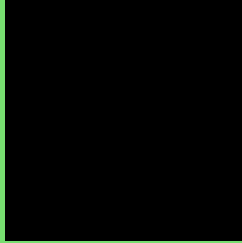
Any Text WCAG AA ✓ Pass

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 77DE70 Background



This preview shows how black text looks on a background with the Hex color 77DE70.

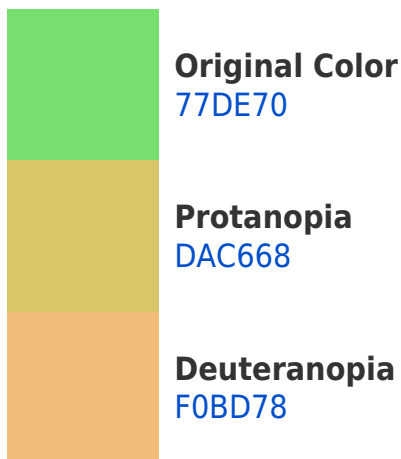


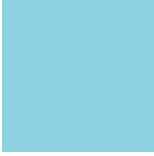
This preview shows how white text looks on a background with the Hex color 77DE70.

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





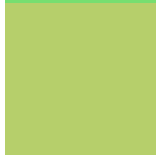
Tritanopia
8ED1E2

Trichromacy



Original Color

77DE70



Protanomaly

B6CF6B



Deuteranomaly

C4C975



Tritanomaly

86D6B9

Monochromacy



Original Color

77DE70



Achromatopsia

B3B3B3



Achromatomaly

9DC39B

CSS Examples

Text

The CSS property to change the color of the text to Hex 77DE70 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 #77DE70 looks like.

```
.text, #text, p{  
    color:#77DE70  
}
```

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 #77DE70 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77DE70
}
```

Border

The CSS property to change the border of an element to Hex 77DE70 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
#77DE70 }
```

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

```
.border{ border-color:#77DE70 }
```

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

Here you see how a box with a 4 pixel #77DE70 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77DE70; -webkit-box-shadow:4px 4px  
4px 4px #77DE70; box-shadow:4px 4px 4px  
4px #77DE70 }
```

Background

The CSS property to change the background color of an element to Hex 77DE70 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77DE70 }
```

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

```
.background{ background-color:#77DE70 }
```

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