

# Converting Colors

Hex(70EC5B)

Have a look what the booklet for  
Hex(70EC5B) contains.

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# Color

Hex(70EC5B)

# Conversions

## Conversions Part 1

Format	Color
Hex	70EC5B
RGB	112, 236, 91
RGB Percent	44%, 93%, 36%
CMY	0.5608, 0.0745, 0.6431
CMYK	0.53, 0.00, 0.61, 0.07
HSL	111°, 79%, 64%
HSV	111°, 61%, 93%
XYZ	38.5659, 64.1910, 20.2550
YIQ	182.3940, -27.3590, -71.3830

# Conversions

## Conversions Part 2

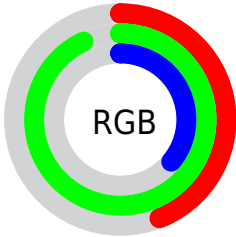
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 236, 215
Decimal	7400539
CIELab	84.07, -61.15, 58.36
CIELCh	84, 84.529, 136.341
Yxy	64.1910, 0.3135, 0.5218
Android (android.graphics.Color)	4285590619 (0xFF70EC5B)
YUV	182.3940, -45.0572, -61.7355
Hunter-Lab	80.1193, -54.2867, 41.0944

# Details

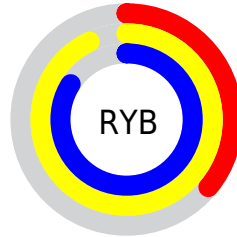
The Hex color **70EC5B** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **D75BEC**, and the grayscale version is **B7B7B7**.

A 20% lighter version of the original color is **ACFF92**, and **2BB321** is the 20% darker color. If you saturate the color by 10%, you get **5CEC43**, and if you desaturate by 10%, it is **84EC73**.

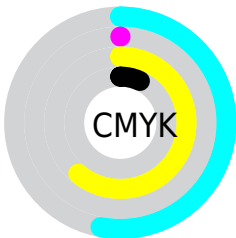
# Distribution



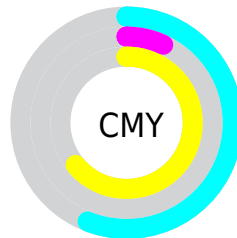
- Red (44%)
- Green (93%)
- Blue (36%)



- Red (36%)
- Yellow (93%)
- Blue (84%)



- Cyan (53%)
- Magenta (0%)
- Yellow (61%)
- Black (7%)



- Cyan (56%)
- Magenta (7%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 70EC5B 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 70EC5B by changing the saturation by 10% instead.



 70EC5B

 70EC5B

FFFFFF

 50CF3F

 ACFF92

 2BB321

 CAFFAE

 009800

 E9FFCA

 007D00

 FFFFE7

 006300

 004900

 003300

 001700

 000000

 70EC5B

 70EC5B

 5CEC43

 84EC73

 48EC2C

 98EC8A

 33EC14

 ADECA2

 22EC00

 C1ECB9

 D5ECD1

 E9ECE9

 FDECFE

 FFECFF

# Harmonies

## Analogous

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



D0DB15



70EC5B



00F5A9

# Triad

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



70EC5B



00E5FF



FF84AA

# Complementary

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



70EC5B



D75BEC

# 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.



FF88FA



70EC5B



83CCFF

# Square

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



70EC5B



00F3FF



FFA8FF



FF9F60

# Rectangle

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



70EC5B



00F7E1



FFA8FF



FF81C4

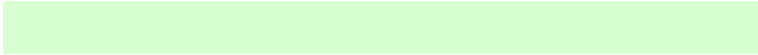


# Sweetspot

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



70EC5B



D8FFD1



ECD65B



688063



000000



808080



# Same Dimension

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



70EC5B



5EFF42



5BEC8E



6B756A



1AB500



083600



# Inverse Universe

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



D75BEC



E442FF



EC5BB9



746A75



9B00B5

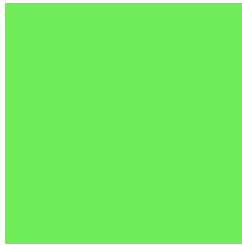


2E0036



# Previews

## White Background



This preview shows how the Hex color 70EC5B 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 70EC5B looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

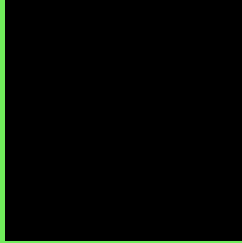
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 70EC5B Background



This preview shows how black text looks on a background with the Hex color 70EC5B.

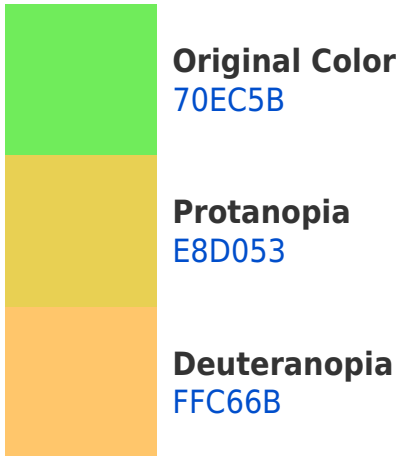


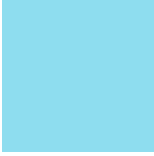
This preview shows how white text looks on a background with the Hex color 70EC5B.

# 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**  
8EDDEF

# Trichromacy



**Original Color**  
70EC5B



**Protanomaly**  
BCDA56



**Deuteranomaly**  
CBD465

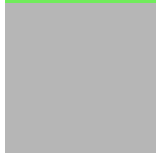


**Tritanomaly**  
83E2B9

# Monochromacy



**Original Color**  
70EC5B



**Achromatopsia**  
B6B6B6



**Achromatomaly**  
9DCA95

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 70EC5B 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 #70EC5B looks like.

```
.text, #text, p{  
    color:#70EC5B  
}
```

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 #70EC5B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #70EC5B
}
```

## Border

The CSS property to change the border of an element to Hex 70EC5B 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
#70EC5B }
```

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

```
.border{ border-color:#70EC5B }
```

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

Here you see how a box with a 4 pixel #70EC5B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #70EC5B; -webkit-box-shadow:4px 4px  
4px 4px #70EC5B; box-shadow:4px 4px 4px  
4px #70EC5B }
```

# Background

The CSS property to change the background color of an element to Hex 70EC5B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#70EC5B }
```

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

```
.background{ background-color:#70EC5B }
```

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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