

# Converting Colors

Hex(70AB61)

Have a look what the booklet for  
Hex(70AB61) contains.

<b>Hex(70AB61)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(70AB61)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70AB61
RGB	112, 171, 97
RGB Percent	44%, 67%, 38%
CMY	0.5608, 0.3294, 0.6196
CMYK	0.35, 0.00, 0.43, 0.33
HSL	108°, 31%, 53%
HSV	108°, 43%, 67%
XYZ	23.4027, 33.4336, 16.5291
YIQ	144.9230, -11.4100, -35.5220

# Conversions

## Conversions Part 2

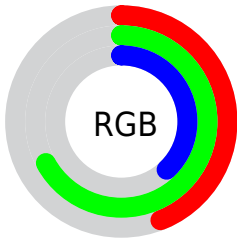
<b>Format</b>	<b>Color</b>
<b>RYB</b>	97, 171, 156
Decimal	7383905
CIELab	64.51, -33.64, 32.12
CIELCh	65, 46.514, 136.326
Yxy	33.4336, 0.3190, 0.4557
Android (android.graphics.Color)	4285573985 (0xFF70AB61)
YUV	144.9230, -23.6260, -28.8735
Hunter-Lab	57.8218, -28.9425, 23.5264

# Details

The Hex color **70AB61** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9C61AB**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **A6E395**, and **3C7631** is the 20% darker color. If you saturate the color by 10%, you get **62AB50**, and if you desaturate by 10%, it is **7EAB72**.

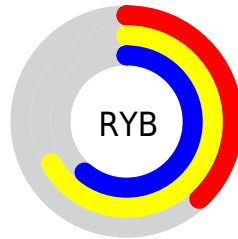
# Distribution



Red (44%)

Green (67%)

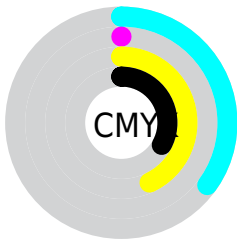
Blue (38%)



Red (38%)

Yellow (67%)

Blue (61%)

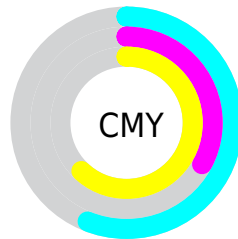


Cyan (35%)

Magenta (0%)

Yellow (43%)

Black (33%)



Cyan (56%)

Magenta (33%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 70AB61 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 70AB61 by changing the saturation by 10% instead.



 70AB61

 70AB61

FFFFFF

 569048

 A6E395

 3C7631

 C2FFB0

 215D19

 DEFFCB

 004500

 FCFE8

 002E00

 001800

 000000

 70AB61

 70AB61

 62AB50

 7EAB72

 55AB3F

 8BAB83

 47AB2E

 99AB94

 39AB1D

 A7ABA5

 2CAB0B

 B4ABB6

 23AB00

 C2ABC8

 CFABD9

 DDABEA

 EBABFB

# Harmonies

## Analogous

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



9FA14A



70AB61



29B087

# Triad

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



70AB61



00A6ED



EB7A87

# Complementary

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



70AB61



9C61AB

# 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.



E07CB1



70AB61



8199EC

# Square

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



70AB61



00AFD7



BD89D6



E18462

# Rectangle

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



70AB61



00B2A4



BD89D6



EA7995



# Sweetspot

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



70AB61



C7DEC1



AB9B61



62705E



F0F0F0



707070



# Same Dimension

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



70AB61



82DE6A



61AB76



50574E



1E9600



051700



# Inverse Universe

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



9C61AB



C66ADE



AB6196



554E57



780096



120017



# Previews

## White Background



This preview shows how the Hex color 70AB61 looks on a white background.

## Color Contrast Check

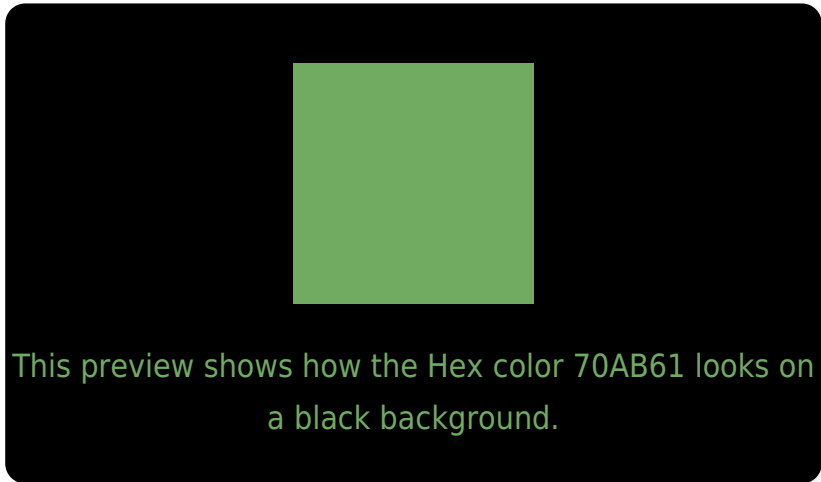
Large Text (above 18pt) WCAG AA × Fail

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 70AB61 Background



This preview shows how black text looks on a background with the Hex color 70AB61.



This preview shows how white text looks on a background with the Hex color 70AB61.

# 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](#).

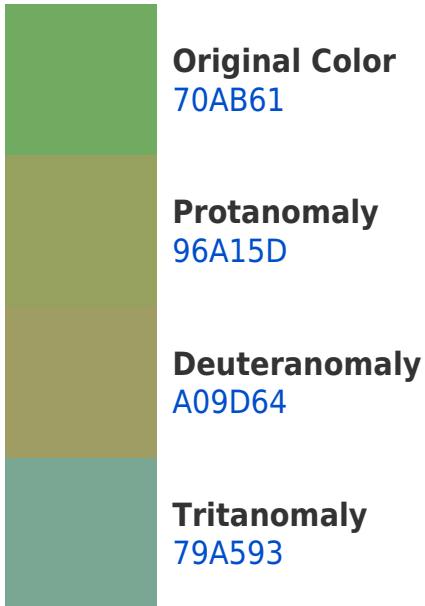
## Dichromacy





**Tritanopia**  
7EA2AF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 70AB61 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 #70AB61 looks like.

```
.text, #text, p{  
    color:#70AB61  
}
```

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 #70AB61 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #70AB61
}
```

## Border

The CSS property to change the border of an element to Hex 70AB61 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
#70AB61 }
```

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

```
.border{ border-color:#70AB61 }
```

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

Here you see how a box with a 4 pixel #70AB61 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #70AB61; -webkit-box-shadow:4px 4px  
4px 4px #70AB61; box-shadow:4px 4px 4px  
4px #70AB61 }
```

# Background

The CSS property to change the background color of an element to Hex 70AB61 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#70AB61 }
```

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

```
.background{ background-color:#70AB61 }
```

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