

# Converting Colors

Hex(68A137)

Have a look what the booklet for  
Hex(68A137) contains.

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**Color**

**Hex(68A137)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	68A137
RGB	104, 161, 55
RGB Percent	41%, 63%, 22%
CMY	0.5922, 0.3686, 0.7843
CMYK	0.35, 0.00, 0.66, 0.37
HSL	92°, 49%, 42%
HSV	92°, 66%, 63%
XYZ	19.1434, 28.7086, 8.1468
YIQ	131.8730, 0.0540, -45.0500

# Conversions

## Conversions Part 2

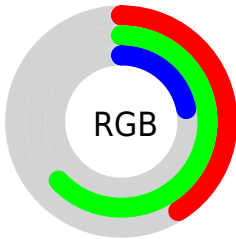
<b>Format</b>	<b>Color</b>
<b>RYB</b>	55, 161, 112
Decimal	6857015
CIELab	60.52, -36.76, 47.66
CIELCh	61, 60.188, 127.639
Yxy	28.7086, 0.3419, 0.5127
Android (android.graphics.Color)	4285047095 (0xFF68A137)
YUV	131.8730, -37.8984, -24.4446
Hunter-Lab	53.5804, -29.9907, 28.4914

# Details

The Hex color **68A137** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7037A1**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **9FD86B**, and **326D00** is the 20% darker color. If you saturate the color by 10%, you get **5FA127**, and if you desaturate by 10%, it is **71A147**.

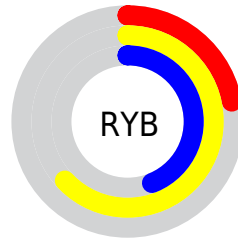
# Distribution



Red (41%)

Green (63%)

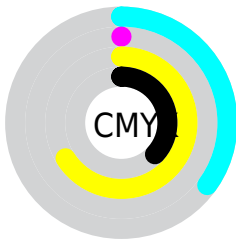
Blue (22%)



Red (22%)

Yellow (63%)

Blue (44%)

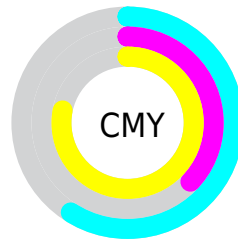


Cyan (35%)

Magenta (0%)

Yellow (66%)

Black (37%)



Cyan (59%)

Magenta (37%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68A137 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 68A137 by changing the saturation by 10% instead.





68A137



68A137

FFFFFF



4D871C



9FD86B



326D00



BBF585



155400



D8FFA0



003C00



F5FFBC



002700



FFFFD9



000400



FFFFF5



000000



68A137



68A137



5FA127



71A147

■ 57A117

■ 79A157

■ 4EA107

■ 82A167

■ 4AA100

■ 8BA177

■ 93A188

■ 9CA198

■ A5A1A8

■ ADA1B8

■ B6A1C8

# Harmonies

## Analogous

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



A19419



68A137



00A867

# Triad

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



68A137



00A2F4



F25F86

# Complementary

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



68A137



7037A1

# 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.



DC68BB



68A137



3294FC

# Square

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



68A137



00AAD2



A67EE7



EA6B54

# Rectangle

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



68A137



00AB8C



A67EE7



EE5F98



# Sweetspot

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



68A137



BBD1A7



A17037



5B694F



E8E8E8



696969



# Same Dimension

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



68A137



78D12C



37A13B



4D5249



439100



081200



# Inverse Universe

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



7037A1



852CD1



A1379D



4E4952



4E0091



0A0012



# Previews

## White Background



This preview shows how the Hex color 68A137 looks on a white background.

## Color Contrast Check

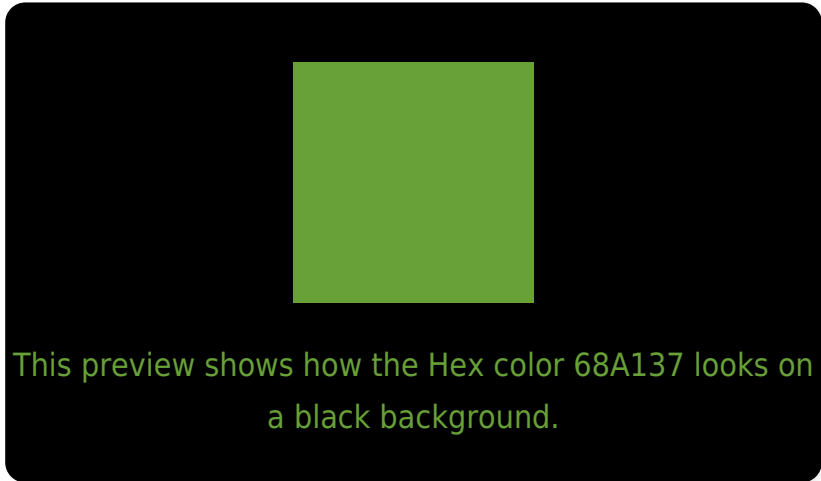
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Hex 68A137 Background



This preview shows how black text looks on a background with the Hex color 68A137.



This preview shows how white text looks on a background with the Hex color 68A137.

# 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**  
7897A3

# Trichromacy



**Original Color**  
68A137

**Protanomaly**  
8D9734

**Deuteranomaly**  
98923B

**Tritanomaly**  
729B7C

# Monochromacy



**Original Color**  
68A137

**Achromatopsia**  
848484

**Achromatomaly**  
7A8F68

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68A137 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 #68A137 looks like.

```
.text, #text, p{  
    color:#68A137  
}
```

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 #68A137 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68A137  
}
```

## Border

The CSS property to change the border of an element to Hex 68A137 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  
#68A137 }
```

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

```
.border{ border-color:#68A137 }
```

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

Here you see how a box with a 4 pixel #68A137 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68A137; -webkit-box-shadow:4px 4px  
4px 4px #68A137; box-shadow:4px 4px 4px  
4px #68A137 }
```

# Background

The CSS property to change the background color of an element to Hex 68A137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68A137 }
```

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

```
.background{ background-color:#68A137 }
```

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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