

# Converting Colors

Hex(65B407)

Have a look what the booklet for  
Hex(65B407) contains.

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**Color**

**Hex(65B407)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	65B407
RGB	101, 180, 7
RGB Percent	40%, 71%, 3%
CMY	0.6039, 0.2941, 0.9725
CMYK	0.44, 0.00, 0.96, 0.29
HSL	87°, 93%, 37%
HSV	87°, 96%, 71%
XYZ	21.7264, 35.4246, 5.8935
YIQ	136.6570, 8.4490, -70.5510

# Conversions

## Conversions Part 2

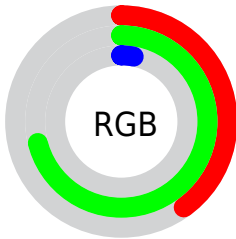
<b>Format</b>	<b>Color</b>
<b>RYB</b>	7, 180, 86
Decimal	6665223
CIELab	66.08, -48.07, 65.86
CIELCh	66, 81.534, 126.124
Yxy	35.4246, 0.3446, 0.5619
Android (android.graphics.Color)	4284855303 (0xFF65B407)
YUV	136.6570, -63.9209, -31.2712
Hunter-Lab	59.5185, -38.9984, 35.7921

# Details

The Hex color **65B407** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **5607B4**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **9FEC4F**, and **277E00** is the 20% darker color. If you saturate the color by 10%, you get **62B400**, and if you desaturate by 10%, it is **6DB419**.

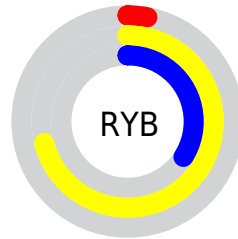
# Distribution



Red (40%)

Green (71%)

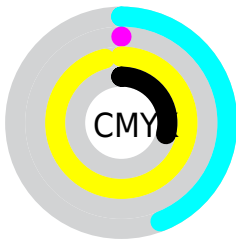
Blue (3%)



Red (3%)

Yellow (71%)

Blue (34%)

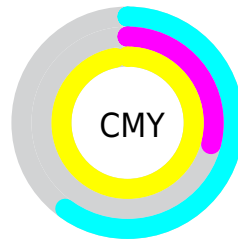


Cyan (44%)

Magenta (0%)

Yellow (96%)

Black (29%)



Cyan (60%)

Magenta (29%)

Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 65B407 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 65B407 by changing the saturation by 10% instead.



 65B407

 65B407

FFFFFF

 489900

 9FEC4F

 277E00

 BCFF6B

 006500

 D9FF87

 004C00

 F7FFA4

 003400

 FFFFC0

 001D00

 FFFFDD

 000000

 FFFFFB

 65B407

 65B407

■ 62B400

■ 6DB419

■ 75B42B

■ 7EB43D

■ 86B44F

■ 8EB461

■ 96B473

■ 9FB485

■ A7B497

■ AFB4A9

# Harmonies

## Analogous

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



B3A200



65B407



00BD61

# Triad

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



65B407



00B8FF



FF4C95

# Complementary

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



65B407



5607B4

# 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.



FF5FDD



65B407



00A5FF

# Square

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



65B407



00C0F6



B386FF



FF634E

# Rectangle

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



65B407



00C094



B386FF



FF4EAD



# Sweetspot

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



65B407



CCEBA7



B45507



63754C



F5F5F5



757575



# Same Dimension

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



65B407



7FEB00



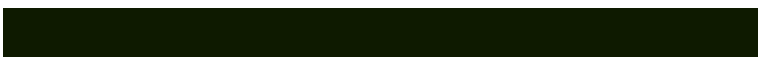
10B407



555950



539900



0E1A00



# Inverse Universe

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



5607B4



6B00EB



AB07B4



545059



460099



0C001A



# Previews

## White Background



This preview shows how the Hex color 65B407 looks on a white background.

## Color Contrast Check

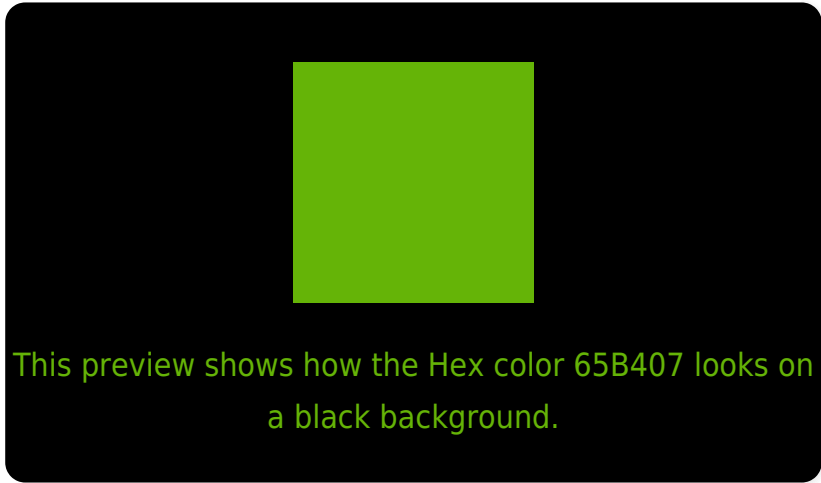
Large Text (above 18pt) WCAG AA × Fail

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 65B407 Background



This preview shows how black text looks on a background with the Hex color 65B407.



This preview shows how white text looks on a background with the Hex color 65B407.

# 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**  
7BA7B5

# Trichromacy



**Original Color**  
65B407



**Protanomaly**  
97A703



**Deuteranomaly**  
A5A21A



**Tritanomaly**  
73AC76

# Monochromacy



**Original Color**  
65B407



**Achromatopsia**  
898989



**Achromatomaly**  
7C995A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 65B407 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 #65B407 looks like.

```
.text, #text, p{  
    color:#65B407  
}
```

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 #65B407 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #65B407
}
```

## Border

The CSS property to change the border of an element to Hex 65B407 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
#65B407 }
```

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

```
.border{ border-color:#65B407 }
```

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

Here you see how a box with a 4 pixel #65B407 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #65B407; -webkit-box-shadow:4px 4px  
4px 4px #65B407; box-shadow:4px 4px 4px  
4px #65B407 }
```

# Background

The CSS property to change the background color of an element to Hex 65B407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#65B407 }
```

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

```
.background{ background-color:#65B407 }
```

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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