

Converting Colors

Hex(65B242)

Have a look what the booklet for
Hex(65B242) contains.

Hex(65B242)	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(65B242)

Conversions

Conversions Part 1

Format	Color
Hex	65B242
RGB	101, 178, 66
RGB Percent	40%, 70%, 26%
CMY	0.6039, 0.3020, 0.7412
CMYK	0.43, 0.00, 0.63, 0.30
HSL	101°, 46%, 48%
HSV	101°, 63%, 70%
XYZ	22.2706, 35.0008, 10.7363
YIQ	142.2090, -9.9400, -51.1560

Conversions

Conversions Part 2

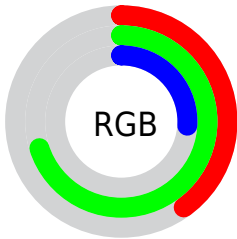
Format	Color
RYB	66, 178, 143
Decimal	6664770
CIELab	65.75, -44.12, 48.55
CIELCh	66, 65.601, 132.263
Yxy	35.0008, 0.3275, 0.5147
Android (android.graphics.Color)	4284854850 (0xFF65B242)
YUV	142.2090, -37.5710, -36.1403
Hunter-Lab	59.1615, -36.3386, 30.6534

Details

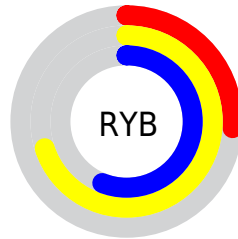
The Hex color **65B242** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8F42B2**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **9DEA76**, and **2C7D06** is the 20% darker color. If you saturate the color by 10%, you get **59B230**, and if you desaturate by 10%, it is **71B254**.

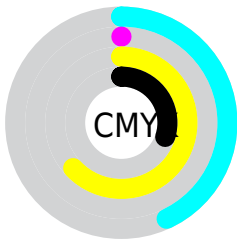
Distribution



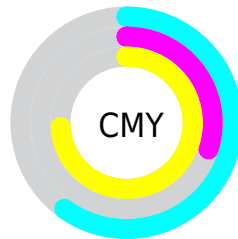
- Red (40%)
- Green (70%)
- Blue (26%)



- Red (26%)
- Yellow (70%)
- Blue (56%)



- Cyan (43%)
- Magenta (0%)
- Yellow (63%)
- Black (30%)



- Cyan (60%)
- Magenta (30%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Hex color 65B242 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 65B242 by changing the saturation by 10% instead.



65B242



65B242

FFFFFF



499727



9DEA76



2C7D06



B9FF91



006300



D6FFAD



004A00



F4FFC9



003300



FFFFE5



001C00



000000



65B242



65B242



59B230



71B254

 4DB21E

 7DB266

 40B20D

 8AB277

 38B200

 96B289

 A2B29B

 AEB2AD

 BBB2BF

 C7B2D0

 D3B2E2

Harmonies

Analogous

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



A7A41A



65B242



00B97A

Triad

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



65B242



00B0FF



FF678A

Complementary

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



65B242



8F42B2

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.



F86DC5



65B242



549EFF

Square

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



65B242



00B9EE



C185F7



FE7853

Rectangle

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



65B242



00BBA3



C185F7



FF669E

Sweetspot

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



65B242



CAE8BC



B28F42



63755A



F5F5F5



757575

Same Dimension

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



65B242



6FE838



42B257



535950



309900



081A00

Inverse Universe

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



8F42B2



B138E8



B2429D



565059



690099



12001A

Previews

White Background



This preview shows how the Hex color 65B242 looks on a white background.

Color Contrast Check

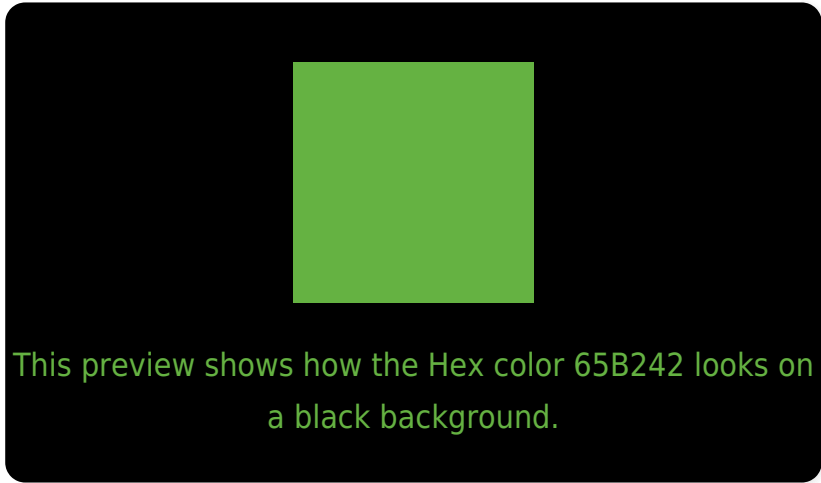
Large Text (above 18pt) WCAG AA × Fail

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 65B242 Background



This preview shows how black text looks on a background with the Hex color 65B242.



This preview shows how white text looks on a background with the Hex color 65B242.

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



Original Color
65B242

Protanopia
B19F3D

Deuteranopia
C4974A



Tritanopia
78A7B4

Trichromacy



Original Color
65B242



Protanomaly
95A63F



Deuteranomaly
A1A147



Tritanomaly
71AB8B

Monochromacy



Original Color
65B242



Achromatopsia
8E8E8E



Achromatomaly
7F9B72

CSS Examples

Text

The CSS property to change the color of the text to Hex 65B242 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 #65B242 looks like.

```
.text, #text, p{  
    color:#65B242  
}
```

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 #65B242 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #65B242
}
```

Border

The CSS property to change the border of an element to Hex 65B242 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
#65B242 }
```

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

```
.border{ border-color:#65B242 }
```

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

Here you see how a box with a 4 pixel #65B242 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #65B242; -webkit-box-shadow:4px 4px  
4px 4px #65B242; box-shadow:4px 4px 4px  
4px #65B242 }
```

Background

The CSS property to change the background color of an element to Hex 65B242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#65B242 }
```

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

```
.background{ background-color:#65B242 }
```

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