

# Converting Colors

Hex(40BE50)

Have a look what the booklet for  
Hex(40BE50) contains.

<b>Hex(40BE50)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(40BE50)

# Conversions

## Conversions Part 1

Format	Color
Hex	40BE50
RGB	64, 190, 80
RGB Percent	25%, 75%, 31%
CMY	0.7490, 0.2549, 0.6863
CMYK	0.66, 0.00, 0.58, 0.25
HSL	128°, 50%, 50%
HSV	128°, 66%, 75%
XYZ	21.9758, 38.4961, 13.8617
YIQ	139.7860, -39.7860, -60.9220

# Conversions

## Conversions Part 2

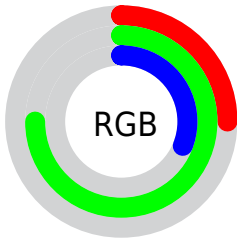
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 176, 190
Decimal	4243024
CIELab	68.38, -56.84, 44.88
CIElCh	68, 72.425, 141.709
Yxy	38.4961, 0.2956, 0.5179
Android (android.graphics.Color)	4282433104 (0xFF40BE50)
YUV	139.7860, -29.4745, -66.4643
Hunter-Lab	62.0452, -45.3563, 30.1855

# Details

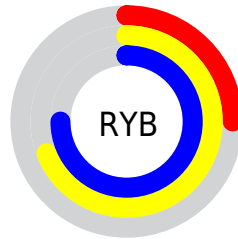
The Hex color **40BE50** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **BE40AE**, and the grayscale version is **8C8C8C**.

A 20% lighter version of the original color is **7EF784**, and **00871B** is the 20% darker color. If you saturate the color by 10%, you get **2DBE3F**, and if you desaturate by 10%, it is **53BE61**.

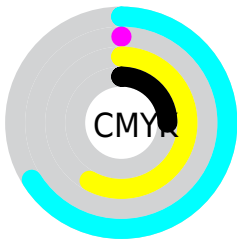
# Distribution



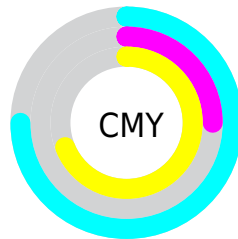
- Red (25%)
- Green (75%)
- Blue (31%)



- Red (25%)
- Yellow (69%)
- Blue (75%)



- Cyan (66%)
- Magenta (0%)
- Yellow (58%)
- Black (25%)



- Cyan (75%)
- Magenta (25%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40BE50 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 40BE50 by changing the saturation by 10% instead.



 40BE50

 40BE50

FFFFFF

 15A236

 7EF784

 00871B

 9CFF9F

 006D00

 B9FFBB

 005300

 D7FFD7

 003B00

 F5FFF4

 002400

 000000

 40BE50

 40BE50

 2DBE3F

 53BE61

 1ABE2F

 66BE71

 07BE1E

 79BE82

 00BE18

 8CBE92

 9FBEA3

 B2BEB4

 C5BEC4

 D8BED5

 EBBEE5

# Harmonies

## Analogous

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



99B213



40BE50



00C492

# Triad

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



40BE50



00B4FF



FF697A

# Complementary

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



40BE50



BE40AE

# 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.



FF67BC



40BE50



829DFF

# Square

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



40BE50



00C0FF



E47FF9



FF8240

# Rectangle

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



40BE50



00C5BF



E47FF9



FF6590

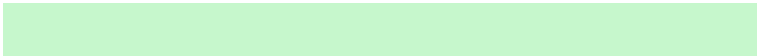


# Sweetspot

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



40BE50



C6F7CC



AFBE40



5F7D63



FCFCFC



7D7D7D



# Same Dimension

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



40BE50



31F74B



40BE8E



555E56



009E14



001F04



# Inverse Universe

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



BE40AE



F731DE



BE4070



5E555D



9E008A



1F001B



# Previews

## White Background



This preview shows how the Hex color 40BE50 looks on a white background.

## Color Contrast Check

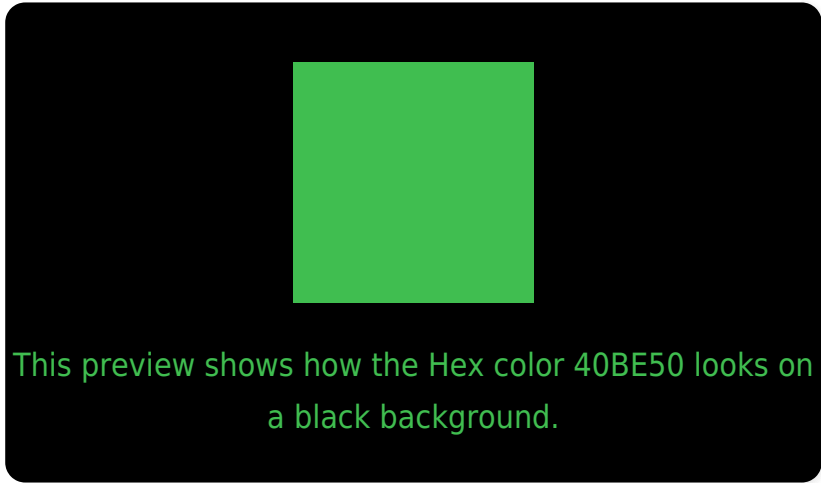
Large Text (above 18pt) WCAG AA × Fail

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 40BE50 Background



This preview shows how black text looks on a background with the Hex color 40BE50.

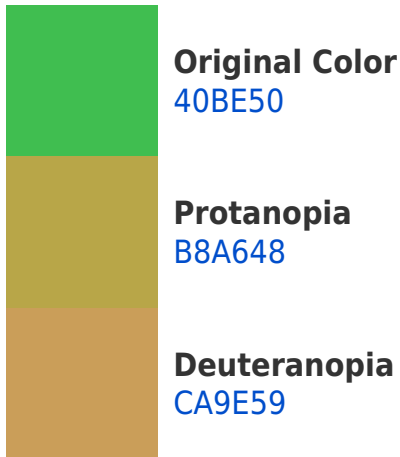


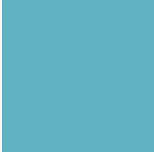
This preview shows how white text looks on a background with the Hex color 40BE50.

# 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**  
60B2C1

# Trichromacy



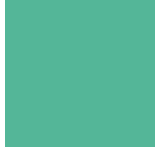
**Original Color**  
40BE50



**Protanomaly**  
8CAF4B



**Deuteranomaly**  
98AA56



**Tritanomaly**  
54B698

# Monochromacy



**Original Color**  
40BE50



**Achromatopsia**  
8C8C8C



**Achromatomaly**  
709E76

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40BE50 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 #40BE50 looks like.

```
.text, #text, p{  
    color:#40BE50  
}
```

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 #40BE50 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40BE50
}
```

## Border

The CSS property to change the border of an element to Hex 40BE50 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
#40BE50 }
```

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

```
.border{ border-color:#40BE50 }
```

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

Here you see how a box with a 4 pixel #40BE50 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40BE50; -webkit-box-shadow:4px 4px  
4px 4px #40BE50; box-shadow:4px 4px 4px  
4px #40BE50 }
```

# Background

The CSS property to change the background color of an element to Hex 40BE50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40BE50 }
```

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

```
.background{ background-color:#40BE50 }
```

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