

Converting Colors

Hex(40DB46)

Have a look what the booklet for
Hex(40DB46) contains.

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Color

Hex(40DB46)

Conversions

Conversions Part 1

Format	Color
Hex	40DB46
RGB	64, 219, 70
RGB Percent	25%, 86%, 27%
CMY	0.7490, 0.1412, 0.7255
CMYK	0.71, 0.00, 0.68, 0.14
HSL	122°, 68%, 55%
HSV	122°, 71%, 86%
XYZ	28.5514, 52.1952, 14.3642
YIQ	155.6690, -44.5510, -79.1990

Conversions

Conversions Part 2

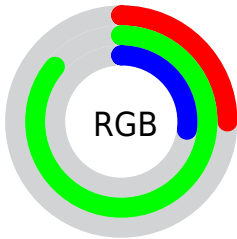
Format	Color
RYB	64, 213, 219
Decimal	4250438
CIELab	77.40, -67.71, 59.22
CIELCh	77, 89.954, 138.829
Yxy	52.1952, 0.3002, 0.5488
Android (android.graphics.Color)	4282440518 (0xFF40DB46)
YUV	155.6690, -42.2348, -80.3937
Hunter-Lab	72.2463, -55.8886, 38.7842

Details

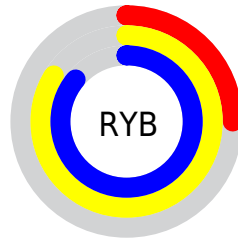
The Hex color **40DB46** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **DB40D5**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **84FF7D**, and **00A200** is the 20% darker color. If you saturate the color by 10%, you get **2ADB31**, and if you desaturate by 10%, it is **56DB5B**.

Distribution



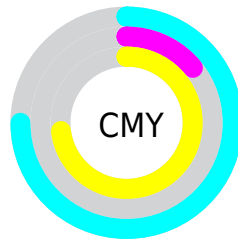
- Red (25%)
- Green (86%)
- Blue (27%)



- Red (25%)
- Yellow (84%)
- Blue (86%)



- Cyan (71%)
- Magenta (0%)
- Yellow (68%)
- Black (14%)



- Cyan (75%)
- Magenta (14%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color 40DB46 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 40DB46 by changing the saturation by 10% instead.

 40DB46

 40DB46

FFFFFF

 00BE29

 84FF7D

 00A200

 A3FF99

 008700

 C2FFB5

 006D00

 E1FFD2

 005300

 FFFFEF

 003B00

 002100

 000000

 40DB46

 40DB46

 2ADB31

 56DB5B

 14DB1C

 6CDB70

 00DB08

 82DB85

 98DB9A

 ADDBAF

 C3DBC4

 D9DBD9

 EFD BEE

 FFDBFF

Harmonies

Analogous

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



B3CB00



40DB46



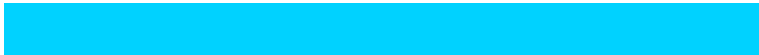
00E39C

Triad

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



40DB46



00D2FF



FF688F

Complementary

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



40DB46



DB40D5

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.



FF69E2



40DB46



71B7FF

Square

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



40DB46



00E0FF



FF8FFF



FF8B41

Rectangle

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



40DB46



00E5D6



FF8FFF



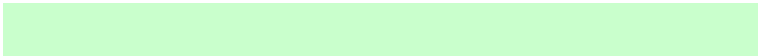
FF62AA

Sweetspot

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



40DB46



C9FFCC



D6DB40



608061



000000



808080

Same Dimension

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



40DB46



26FF2F



40DB93



636E63



00AD07



002E02

Inverse Universe

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



DB40D5



FF26F7



DB4088



6E636D



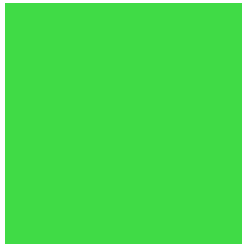
AD00A7



2E002C

Previews

White Background



This preview shows how the Hex color 40DB46 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



This preview shows how the Hex color 40DB46 looks on a 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 40DB46 Background



This preview shows how black text looks on a background with the Hex color 40DB46.

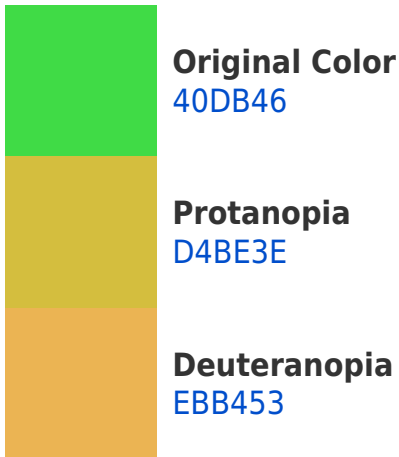


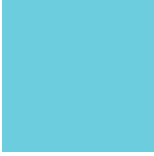
This preview shows how white text looks on a background with the Hex color 40DB46.

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](#).

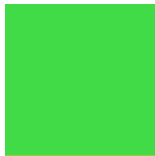
Dichromacy





Tritanopia
6BCDDD

Trichromacy



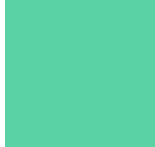
Original Color
40DB46



Protanomaly
9EC941



Deuteranomaly
ADC24E



Tritanomaly
5BD2A6

Monochromacy



Original Color
40DB46



Achromatopsia
9C9C9C



Achromatomaly
7BB37D

CSS Examples

Text

The CSS property to change the color of the text to Hex 40DB46 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 #40DB46 looks like.

```
.text, #text, p{  
    color:#40DB46  
}
```

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 #40DB46 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40DB46
}
```

Border

The CSS property to change the border of an element to Hex 40DB46 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
#40DB46 }
```

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

```
.border{ border-color:#40DB46 }
```

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

Here you see how a box with a 4 pixel #40DB46 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40DB46; -webkit-box-shadow:4px 4px  
4px 4px #40DB46; box-shadow:4px 4px 4px  
4px #40DB46 }
```

Background

The CSS property to change the background color of an element to Hex 40DB46 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40DB46 }
```

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

```
.background{ background-color:#40DB46 }
```

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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