

# Converting Colors

Hex(45D948)

Have a look what the booklet for  
Hex(45D948) contains.

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**Color**

**Hex(45D948)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45D948
RGB	69, 217, 72
RGB Percent	27%, 85%, 28%
CMY	0.7294, 0.1490, 0.7176
CMYK	0.68, 0.00, 0.67, 0.15
HSL	121°, 66%, 56%
HSV	121°, 68%, 85%
XYZ	28.4368, 51.3588, 14.5454
YIQ	156.2180, -41.6630, -76.4710

# Conversions

## Conversions Part 2

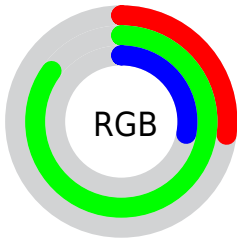
Format	Color
<a href="#">RYB</a>	<a href="#">69, 214, 217</a>
Decimal	<a href="#">4577608</a>
CIELab	<a href="#">76.90, -66.00, 57.93</a>
CIElCh	<a href="#">77, 87.814, 138.727</a>
Yxy	<a href="#">51.3588, 0.3014, 0.5444</a>
Android (android.graphics.Color)	<a href="#">4282767688</a> (0xFF45D948)
YUV	<a href="#">156.2180, -41.5195, -76.4902</a>
Hunter-Lab	<a href="#">71.6651, -54.5848, 38.1319</a>

# Details

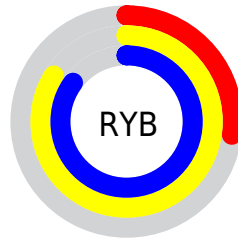
The Hex color **45D948** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **D945D6**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **87FF7F**, and **00A102** is the 20% darker color. If you saturate the color by 10%, you get **2FD933**, and if you desaturate by 10%, it is **5BD95D**.

# Distribution



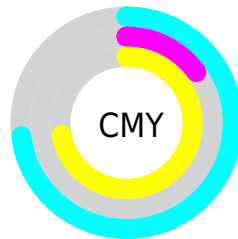
- Red (27%)
- Green (85%)
- Blue (28%)



- Red (27%)
- Yellow (84%)
- Blue (85%)



- Cyan (68%)
- Magenta (0%)
- Yellow (67%)
- Black (15%)



- Cyan (73%)
- Magenta (15%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45D948 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 45D948 by changing the saturation by 10% instead.



 45D948

 45D948

FFFFFF

 13BD2B

 87FF7F

 00A102

 A6FF9A

 008500

 C5FFB6

 006B00

 E3FFD3

 005100

 FFFFF0

 003900

 002000

 000000

 45D948

 45D948

 2FD933

 5BD95D

 1AD91D

 70D973

 04D908

 86D988

 00D904

 9CD99D

 B2D9B2

 C7D9C8

 DDD9DD

 F3D9F2

 FFD9FF

# Harmonies

## Analogous

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



B3C900



45D948



00E19B

# Triad

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



45D948



00D0FF



FF6A8F

# Complementary

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



45D948



D945D6

# 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.



FF6BE0



45D948



73B5FF

# Square

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



45D948



00DEFF



FF8FFF



FF8B43

# Rectangle

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



45D948



00E3D4



FF8FFF



FF65AA

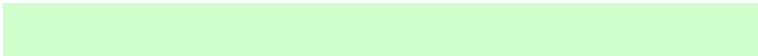


# Sweetspot

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



45D948



CCFFCD



D7D945



618062



000000



808080



# Same Dimension

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



45D948



2EFF32



45D991



636E63



00AD04



002E01



# Inverse Universe

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



D945D6



FF2EFB



D9458D



6E636D



AD00AA

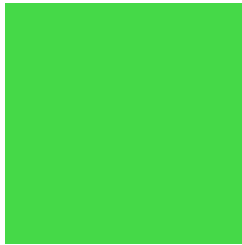


2E002D



# Previews

## White Background



This preview shows how the Hex color 45D948 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 45D948 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

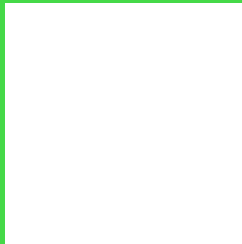
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 45D948 Background



This preview shows how black text looks on a background with the Hex color 45D948.

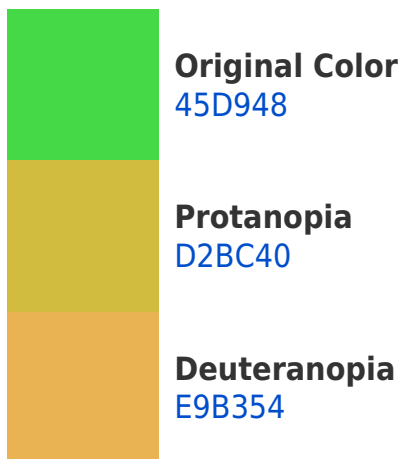


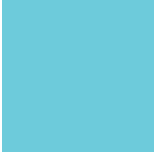
This preview shows how white text looks on a background with the Hex color 45D948.

# 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**  
6DCBDB

# Trichromacy



**Original Color**  
45D948



**Protanomaly**  
9FC743



**Deuteranomaly**  
ADC150



**Tritanomaly**  
5ED0A6

# Monochromacy



**Original Color**  
45D948



**Achromatopsia**  
9C9C9C



**Achromatomaly**  
7CB27D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45D948 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 #45D948 looks like.

```
.text, #text, p{  
    color:#45D948  
}
```

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 #45D948 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45D948
}
```

## Border

The CSS property to change the border of an element to Hex 45D948 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
#45D948 }
```

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

```
.border{ border-color:#45D948 }
```

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

Here you see how a box with a 4 pixel #45D948 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45D948; -webkit-box-shadow:4px 4px  
4px 4px #45D948; box-shadow:4px 4px 4px  
4px #45D948 }
```

# Background

The CSS property to change the background color of an element to Hex 45D948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45D948 }
```

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

```
.background{ background-color:#45D948 }
```

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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