

# Converting Colors

Hex(45C558)

Have a look what the booklet for  
Hex(45C558) contains.

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**Color**

**Hex(45C558)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45C558
RGB	69, 197, 88
RGB Percent	27%, 77%, 35%
CMY	0.7294, 0.2275, 0.6549
CMYK	0.65, 0.00, 0.55, 0.23
HSL	129°, 52%, 52%
HSV	129°, 65%, 77%
XYZ	24.1819, 41.9023, 16.0460
YIQ	146.3020, -41.2990, -61.0350

# Conversions

## Conversions Part 2

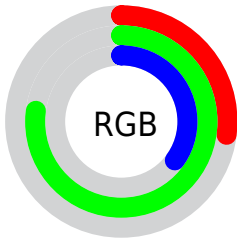
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 180, 197
Decimal	4572504
CIELab	70.80, -57.33, 44.02
CIELCh	71, 72.278, 142.480
Yxy	41.9023, 0.2944, 0.5102
Android (android.graphics.Color)	4282762584 (0xFF45C558)
YUV	146.3020, -28.7429, -67.7939
Hunter-Lab	64.7320, -46.5987, 30.6154

# Details

The Hex color **45C558** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **C545B2**, and the grayscale version is **939393**.

A 20% lighter version of the original color is **83FF8D**, and **008E24** is the 20% darker color. If you saturate the color by 10%, you get **31C547**, and if you desaturate by 10%, it is **59C569**.

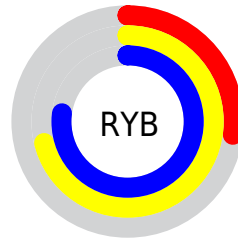
# Distribution



Red (27%)

Green (77%)

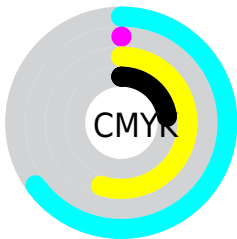
Blue (35%)



Red (27%)

Yellow (71%)

Blue (77%)

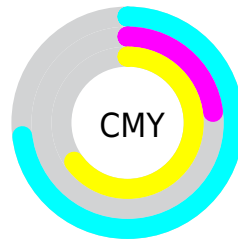


Cyan (65%)

Magenta (0%)

Yellow (55%)

Black (23%)



Cyan (73%)

Magenta (23%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45C558 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 45C558 by changing the saturation by 10% instead.



 45C558

 45C558

FFFFFF

 1DA93E

 83FF8D

 008E24

 A1FFA8

 007305

 BEFFC4

 005A00

 DCFE0

 004100

 FAFFFD

 002A00

 000500

 000000

 45C558

 45C558

 31C547

 59C569

 1EC536

 6CC57A

 0AC526

 80C58A

 00C51D

 94C59B

 A8C5AC

 BBC5BD

 CFC5CD

 E3C5DE

 F6C5EF

# Harmonies

## Analogous

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



9EB91F



45C558



00CB9A

# Triad

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



45C558



00BAFF



FF717F

# Complementary

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



45C558



C545B2

# 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.



FF6EC1



45C558



8DA3FF

# Square

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



45C558



00C7FF



EC85FE



FF8945

# Rectangle

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



45C558



00CCC8



EC85FE



FF6D94

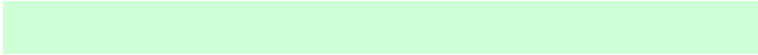


# Sweetspot

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



45C558



CFFFD6



B4C545



628067



000000



808080



# Same Dimension

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



45C558



38FF56



45C596



5A635B



00A318



002405



# Inverse Universe

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



C545B2



FF38E1



C54574



635A62



A3008B



24001E



# Previews

## White Background



This preview shows how the Hex color 45C558 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 45C558 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

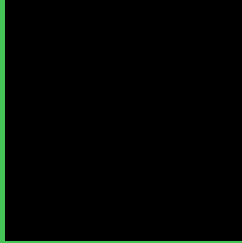
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 45C558 Background



This preview shows how black text looks on a background with the Hex color 45C558.

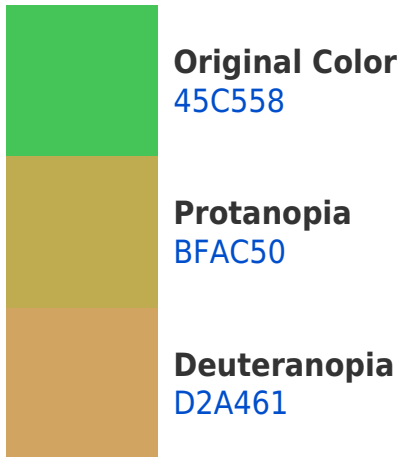


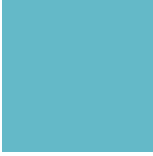
This preview shows how white text looks on a background with the Hex color 45C558.

# 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**  
64B9C8

# Trichromacy



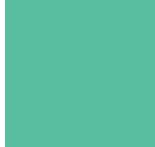
**Original Color**  
45C558



**Protanomaly**  
93B553



**Deuteranomaly**  
9FB05E



**Tritanomaly**  
59BD9F

# Monochromacy



**Original Color**  
45C558



**Achromatopsia**  
929292



**Achromatomaly**  
76A57D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45C558 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 #45C558 looks like.

```
.text, #text, p{  
    color:#45C558  
}
```

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 #45C558 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45C558
}
```

## Border

The CSS property to change the border of an element to Hex 45C558 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
#45C558 }
```

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

```
.border{ border-color:#45C558 }
```

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

Here you see how a box with a 4 pixel #45C558 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45C558; -webkit-box-shadow:4px 4px  
4px 4px #45C558; box-shadow:4px 4px 4px  
4px #45C558 }
```

# Background

The CSS property to change the background color of an element to Hex 45C558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45C558 }
```

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

```
.background{ background-color:#45C558 }
```

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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