

# Converting Colors

Hex(45F165)

Have a look what the booklet for  
Hex(45F165) contains.

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**Color**

**Hex(45F165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45F165
RGB	69, 241, 101
RGB Percent	27%, 95%, 40%
CMY	0.7294, 0.0549, 0.6039
CMYK	0.71, 0.00, 0.58, 0.05
HSL	131°, 86%, 61%
HSV	131°, 71%, 95%
XYZ	36.2585, 65.1154, 22.9694
YIQ	173.6120, -57.5720, -80.0040

# Conversions

## Conversions Part 2

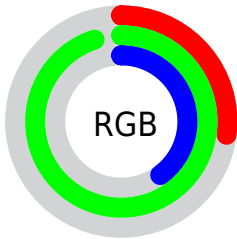
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 214, 241
Decimal	4583781
CIELab	84.54, -70.75, 54.29
CIELCh	85, 89.179, 142.498
Yxy	65.1154, 0.2916, 0.5237
Android (android.graphics.Color)	4282773861 (0xFF45F165)
YUV	173.6120, -35.7977, -91.7447
Hunter-Lab	80.6941, -61.0088, 39.6091

# Details

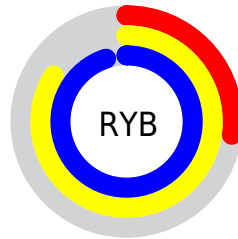
The Hex color **45F165** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed spring green. A complement of this color would be **F145D1**, and the grayscale version is **AEAEAE**.

A 20% lighter version of the original color is **8BFF9C**, and **00B72E** is the 20% darker color. If you saturate the color by 10%, you get **2DF151**, and if you desaturate by 10%, it is **5DF179**.

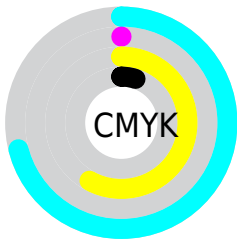
# Distribution



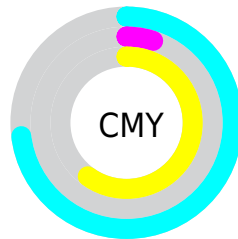
- Red (27%)
- Green (95%)
- Blue (40%)



- Red (27%)
- Yellow (84%)
- Blue (95%)



- Cyan (71%)
- Magenta (0%)
- Yellow (58%)
- Black (5%)



- Cyan (73%)
- Magenta (5%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45F165 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 45F165 by changing the saturation by 10% instead.



 45F165

FFFFFF

 8BFF9C

 AAFFB7

 CAFFD4

 E9FFF1

 45F165

 04D44A

 00B72E

 009B0B

 008000

 006600

 004C00

 003400

 001900

 000000

 45F165

 45F165

 2DF151

 5DF179

 15F13E

 75F18C

 00F12D

 8DF1A0

 A5F1B3

 BDF1C7

 D6F1DB

 EEF1EE

 FFF1FF

# Harmonies

## Analogous

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



BEE208



45F165



00F8BA

# Triad

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



45F165



00E3FF



FF8398

# Complementary

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



45F165



F145D1

# 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.



FF7FEC



45F165



A6C6FF

# Square

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



45F165



00F4FF



FF9EFF



FFA44C

# Rectangle

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



45F165



00FAF5



FF9EFF



FF7DB3

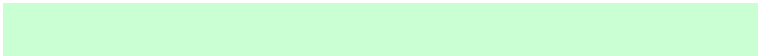


# Sweetspot

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



45F165



C9FFD3



D1F145



608066



000000



808080



# Same Dimension

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



45F165



24FF4C



45F1BB



6C786E



00B822



00380A



# Inverse Universe

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



F145D1



FF24D6



F1457B



786C76



B80095

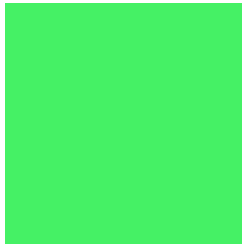


38002E



# Previews

## White Background



This preview shows how the Hex color 45F165 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 45F165 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 45F165 Background



This preview shows how black text looks on a background with the Hex color 45F165.

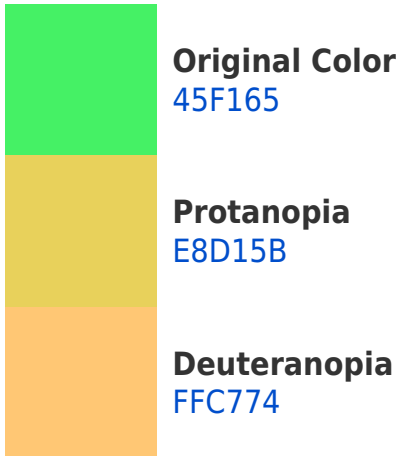


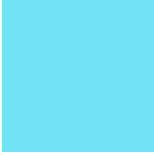
This preview shows how white text looks on a background with the Hex color 45F165.

# 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**  
72E2F5

# Trichromacy



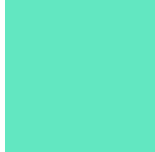
**Original Color**  
45F165



**Protanomaly**  
AADD5F



**Deuteranomaly**  
BBD66F



**Tritanomaly**  
62E7C1

# Monochromacy



**Original Color**  
45F165



**Achromatopsia**  
AEAEAE



**Achromatomaly**  
88C693

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45F165 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 #45F165 looks like.

```
.text, #text, p{  
    color:#45F165  
}
```

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 #45F165 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45F165
}
```

## Border

The CSS property to change the border of an element to Hex 45F165 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
#45F165 }
```

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

```
.border{ border-color:#45F165 }
```

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

Here you see how a box with a 4 pixel #45F165 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45F165; -webkit-box-shadow:4px 4px  
4px 4px #45F165; box-shadow:4px 4px 4px  
4px #45F165 }
```

# Background

The CSS property to change the background color of an element to Hex 45F165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45F165 }
```

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

```
.background{ background-color:#45F165 }
```

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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