

# Converting Colors

Hex(35D835)

Have a look what the booklet for  
Hex(35D835) contains.

<b>Hex(35D835)</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(35D835)**

# Conversions

## Conversions Part 1

Format	Color
Hex	35D835
RGB	53, 216, 53
RGB Percent	21%, 85%, 21%
CMY	0.7922, 0.1529, 0.7922
CMYK	0.75, 0.00, 0.75, 0.15
HSL	120°, 68%, 53%
HSV	120°, 75%, 85%
XYZ	26.6667, 50.1257, 11.6379
YIQ	148.6810, -44.8250, -85.2490

# Conversions

## Conversions Part 2

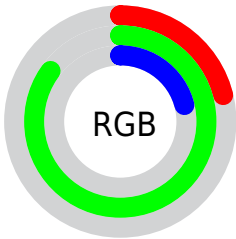
<b>Format</b>	<b>Color</b>
<b>RYB</b>	53, 216, 216
Decimal	3528757
CIELab	76.15, -69.86, 63.96
CIELCh	76, 94.713, 137.524
Yxy	50.1257, 0.3016, 0.5668
Android (android.graphics.Color)	4281718837 (0xFF35D835)
YUV	148.6810, -47.1707, -83.9122
Hunter-Lab	70.7995, -56.6669, 39.8136

# Details

The Hex color **35D835** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark muted green. A complement of this color would be **D835D8**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **7DFF6E**, and **00A000** is the 20% darker color. If you saturate the color by 10%, you get **1FD81F**, and if you desaturate by 10%, it is **4BD84B**.

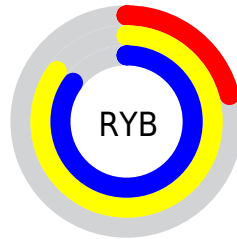
# Distribution



Red (21%)

Green (85%)

Blue (21%)



Red (21%)

Yellow (85%)

Blue (85%)

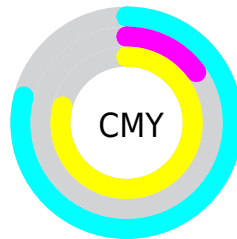


Cyan (75%)

Magenta (0%)

Yellow (75%)

Black (15%)



Cyan (79%)

Magenta (15%)

Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 35D835 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 35D835 by changing the saturation by 10% instead.



 35D835

 35D835

FFFFFF

 00BB0F

 7DFF6E

 00A000

 9DFF8A

 008400

 BCFFA7

 006A00

 DBFFC3

 005000

 FAFFE0

 003800

FFFFFFE

 001E00

 000000

 35D835

 35D835

 1FD81F

 4BD84B

 0AD80A

 60D860

 00D800

 76D876

 8BD88B

 A1D8A1

 B7D8B7

 CCD8CC

 E2D8E2

 F7D8F7

# Harmonies

## Analogous

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



B1C700



35D835



00E093

# Triad

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



35D835



00D1FF



FF598D

# Complementary

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



35D835



D835D8

# 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.



FF5CE4



35D835



50B5FF

# Square

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



35D835



00DFFF



FE8AFF



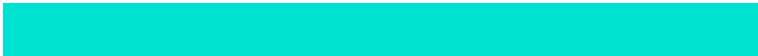
FF8239

# Rectangle

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



35D835



00E2D0



FE8AFF



FF53AA

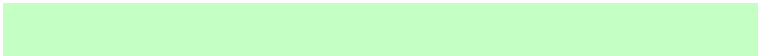


# Sweetspot

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



35D835



C4FFC4



D8D835



5C805C



000000



808080



# Same Dimension

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



35D835



17FF17



35D887



606B60



00AB00



002B00



# Inverse Universe

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



D835D8



FF17FF



D83587



6B606B



AB00AB

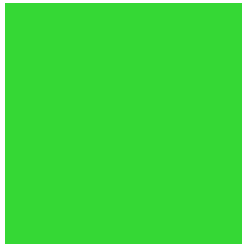


2B002B



# Previews

## White Background



This preview shows how the Hex color 35D835 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 35D835 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 35D835 Background



This preview shows how black text looks on a background with the Hex color 35D835.

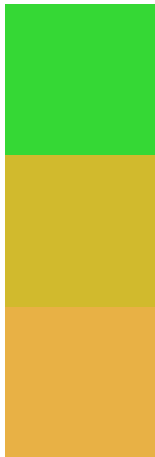


This preview shows how white text looks on a background with the Hex color 35D835.

# 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](#).

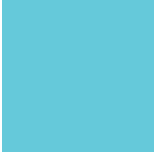
## Dichromacy



**Original Color**  
35D835

**Protanopia**  
D1BA2D

**Deuteranopia**  
E8B145



**Tritanopia**  
65C9DA

# Trichromacy



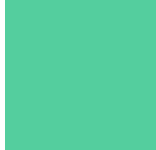
**Original Color**  
35D835



**Protanomaly**  
98C530

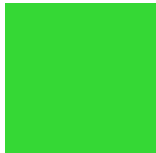


**Deuteranomaly**  
A7BF3F



**Tritanomaly**  
54CE9E

# Monochromacy



**Original Color**  
35D835



**Achromatopsia**  
959595



**Achromatomaly**  
72AD72

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 35D835 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 #35D835 looks like.

```
.text, #text, p{  
    color:#35D835  
}
```

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 #35D835 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #35D835
}
```

## Border

The CSS property to change the border of an element to Hex 35D835 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
#35D835 }
```

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

```
.border{ border-color:#35D835 }
```

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

Here you see how a box with a 4 pixel #35D835 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #35D835; -webkit-box-shadow:4px 4px  
4px 4px #35D835; box-shadow:4px 4px 4px  
4px #35D835 }
```

# Background

The CSS property to change the background color of an element to Hex 35D835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#35D835 }
```

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

```
.background{ background-color:#35D835 }
```

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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