

# Converting Colors

Hex(51D618)

Have a look what the booklet for  
Hex(51D618) contains.

<b>Hex(51D618)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(51D618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51D618
RGB	81, 214, 24
RGB Percent	32%, 84%, 9%
CMY	0.6824, 0.1608, 0.9059
CMYK	0.62, 0.00, 0.89, 0.16
HSL	102°, 80%, 47%
HSV	102°, 89%, 84%
XYZ	27.6048, 49.9084, 9.0425
YIQ	152.5730, -18.2780, -87.2860

# Conversions

## Conversions Part 2

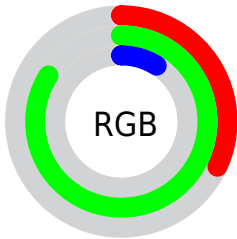
Format	Color
<a href="#">RYB</a>	<a href="#">24, 214, 157</a>
Decimal	<a href="#">5363224</a>
CIELab	<a href="#">76.01, -65.49, 71.38</a>
CIELCh	<a href="#">76, 96.873, 132.533</a>
Yxy	<a href="#">49.9084, 0.3189, 0.5766</a>
Android (android.graphics.Color)	<a href="#">4283553304 (0xFF51D618)</a>
YUV	<a href="#">152.5730, -63.3865, -62.7695</a>
Hunter-Lab	<a href="#">70.6459, -53.8817, 41.8631</a>

# Details

The Hex color **51D618** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **9D18D6**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **91FF5C**, and **009E00** is the 20% darker color. If you saturate the color by 10%, you get **42D603**, and if you desaturate by 10%, it is **60D62D**.

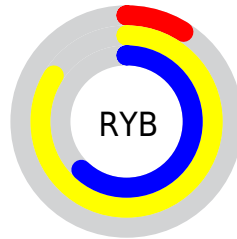
# Distribution



Red (32%)

Green (84%)

Blue (9%)



Red (9%)

Yellow (84%)

Blue (62%)

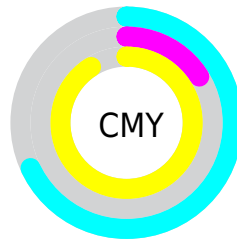


Cyan (62%)

Magenta (0%)

Yellow (89%)

Black (16%)



Cyan (68%)

Magenta (16%)


Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51D618 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 51D618 by changing the saturation by 10% instead.



 51D618

 51D618

FFFFFF

 29BA00

 91FF5C

 009E00

 B0FF79

 008300

 CFFF95

 006800

 EDFFB2

 004F00

 FFFFCF

 003700

 FFFFED

 001D00

 000000

 51D618

 51D618

 42D603

 60D62D

 40D600

 6FD643

 7ED658

 8DD66E

 9CD683

 ABD698

 BAD6AE

 C9D6C3

 D8D6D9

# Harmonies

## Analogous

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



BFC300



51D618



00DF82

# Triad

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



51D618



00D4FF



FF4F9A

# Complementary

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



51D618



9D18D6

# 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.



FF5EF3



51D618



00BAFF

# Square

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



51D618



00E0FF



EC90FF



FF7744

# Rectangle

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



51D618



00E2C1



EC90FF



FF4CB8

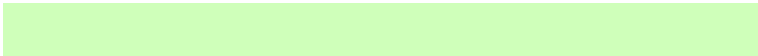


# Sweetspot

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



51D618



CFFFBA



D69D18



638057



000000



808080



# Same Dimension

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



51D618



4DFF00



18D63E



646B60



33AB00



0D2B00



# Inverse Universe

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



9D18D6



B300FF



D618B0



68606B



7800AB

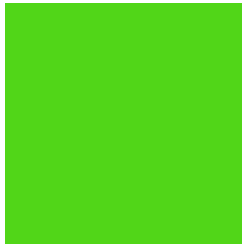


1E002B



# Previews

## White Background



This preview shows how the Hex color 51D618 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 51D618 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

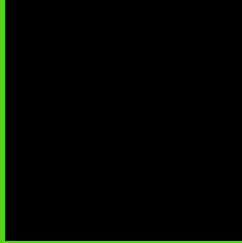
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

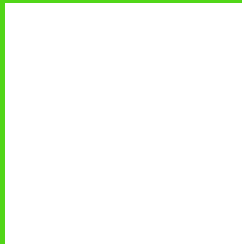
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 51D618 Background



This preview shows how black text looks on a background with the Hex color 51D618.

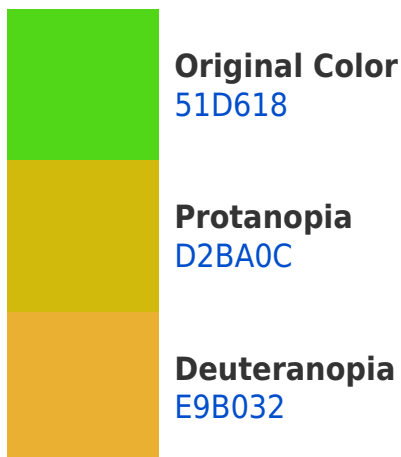


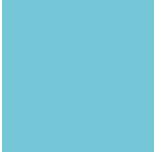
This preview shows how white text looks on a background with the Hex color 51D618.

# 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**  
75C7D7

# Trichromacy



**Original Color**  
51D618



**Protanomaly**  
A3C410



**Deuteranomaly**  
B2BE29



**Tritanomaly**  
68CC92

# Monochromacy



**Original Color**  
51D618



**Achromatopsia**  
999999



**Achromatomaly**  
7FAF6A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51D618 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 #51D618 looks like.

```
.text, #text, p{  
    color:#51D618  
}
```

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 #51D618 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51D618
}
```

## Border

The CSS property to change the border of an element to Hex 51D618 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
#51D618 }
```

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

```
.border{ border-color:#51D618 }
```

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

Here you see how a box with a 4 pixel #51D618 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51D618; -webkit-box-shadow:4px 4px  
4px 4px #51D618; box-shadow:4px 4px 4px  
4px #51D618 }
```

# Background

The CSS property to change the background color of an element to Hex 51D618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51D618 }
```

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

```
.background{ background-color:#51D618 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor