

# Converting Colors

Hex(51D124)

Have a look what the booklet for  
Hex(51D124) contains.

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**Color**

**Hex(51D124)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51D124
RGB	81, 209, 36
RGB Percent	32%, 82%, 14%
CMY	0.6824, 0.1804, 0.8588
CMYK	0.61, 0.00, 0.83, 0.18
HSL	104°, 71%, 48%
HSV	104°, 83%, 82%
XYZ	26.5122, 47.4776, 9.4358
YIQ	151.0060, -20.7550, -80.9390

# Conversions

## Conversions Part 2

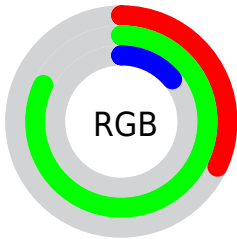
Format	Color
<b>RYB</b>	36, 209, 164
Decimal	5361956
CIELab	74.49, -63.37, 67.52
CIELCh	74, 92.598, 133.184
Yxy	47.4776, 0.3178, 0.5691
Android (android.graphics.Color)	4283552036 (0xFF51D124)
YUV	151.0060, -56.6980, -61.3953
Hunter-Lab	68.9040, -51.9005, 40.1135

# Details

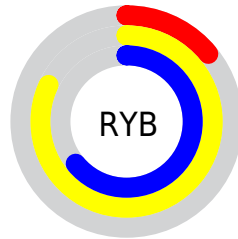
The Hex color **51D124** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **A424D1**, and the grayscale version is **989898**.

A 20% lighter version of the original color is **90FF62**, and **009900** is the 20% darker color. If you saturate the color by 10%, you get **42D10F**, and if you desaturate by 10%, it is **60D139**.

# Distribution



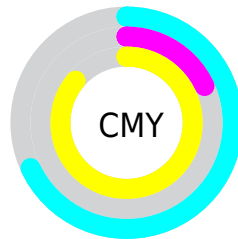
- Red (32%)
- Green (82%)
- Blue (14%)



- Red (14%)
- Yellow (82%)
- Blue (64%)



- Cyan (61%)
- Magenta (0%)
- Yellow (83%)
- Black (18%)




- Cyan (68%)
- Magenta (18%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51D124 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 51D124 by changing the saturation by 10% instead.



 51D124

 51D124

FFFFFF

 2BB500

 90FF62

 009900

 AFFF7E

 007E00

 CDFF9A

 006400

 ECFFB7

 004B00

 FFFFD4

 003400

 FFFFF1

 001800

 000000

 51D124

 51D124

■ 42D10F

■ 60D139

■ 36D100

■ 70D14E

■ 7FD163

■ 8FD178

■ 9ED18C

■ AED1A1

■ BDD1B6

■ CDD1CB

■ DCD1E0

# Harmonies

## Analogous

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



BABF00



51D124



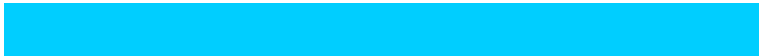
00DA83

# Triad

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



51D124



00CEFF



FF5496

# Complementary

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



51D124



A424D1

# 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.



FF60EB



51D124



00B5FF

# Square

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



51D124



00DAFF



E88DFF



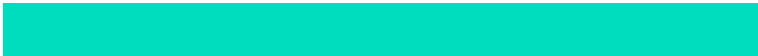
FF7844

# Rectangle

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



51D124



00DDBE



E88DFF



FF51B2

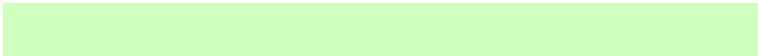


# Sweetspot

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



51D124



D0FFBF



D1A324



638059



000000



808080



# Same Dimension

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



51D124



44FF03



24D14C



61695E



2CA800



0B2900



# Inverse Universe

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



A424D1



BD03FF



D124A9



665E69



7D00A8

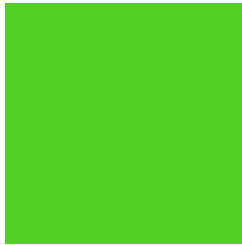


1E0029



# Previews

## White Background



This preview shows how the Hex color 51D124 looks on a white background.

## Color Contrast Check

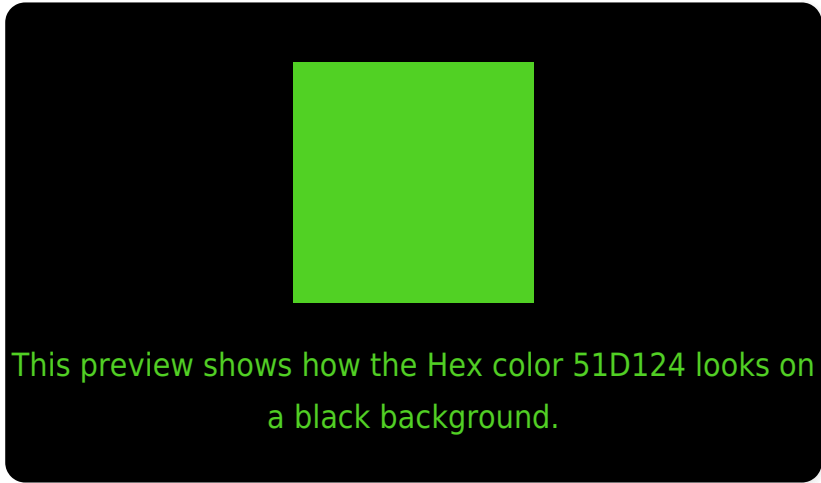
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

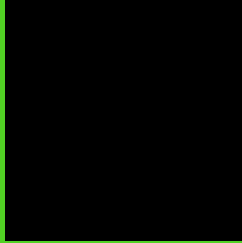
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 51D124 Background



This preview shows how black text looks on a background with the Hex color 51D124.

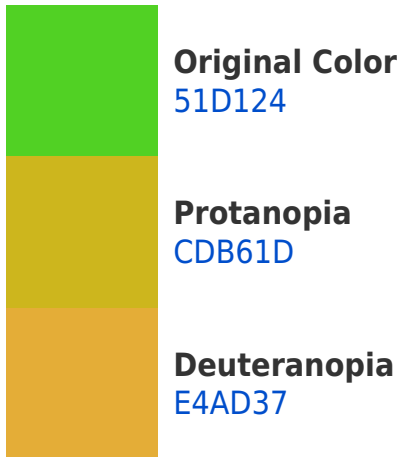


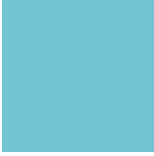
This preview shows how white text looks on a background with the Hex color 51D124.

# 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**  
73C3D2

# Trichromacy



**Original Color**  
51D124



**Protanomaly**  
A0C020



**Deuteranomaly**  
AFBA30



**Tritanomaly**  
67C893

# Monochromacy



**Original Color**  
51D124



**Achromatopsia**  
979797



**Achromatomaly**  
7EAC6D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51D124 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 #51D124 looks like.

```
.text, #text, p{  
    color:#51D124  
}
```

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 #51D124 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51D124
}
```

## Border

The CSS property to change the border of an element to Hex 51D124 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
#51D124 }
```

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

```
.border{ border-color:#51D124 }
```

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

Here you see how a box with a 4 pixel #51D124 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51D124; -webkit-box-shadow:4px 4px  
4px 4px #51D124; box-shadow:4px 4px 4px  
4px #51D124 }
```

# Background

The CSS property to change the background color of an element to Hex 51D124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51D124 }
```

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

```
.background{ background-color:#51D124 }
```

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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