

# Converting Colors

Hex(5D8136)

Have a look what the booklet for  
Hex(5D8136) contains.

<b>Hex(5D8136)</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(5D8136)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5D8136
RGB	93, 129, 54
RGB Percent	36%, 51%, 21%
CMY	0.6353, 0.4941, 0.7882
CMYK	0.28, 0.00, 0.58, 0.49
HSL	89°, 41%, 36%
HSV	89°, 58%, 51%
XYZ	13.0303, 18.2940, 6.3344
YIQ	109.6860, 2.6190, -30.9570

# Conversions

## Conversions Part 2

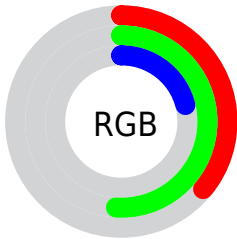
<b>Format</b>	<b>Color</b>
<b>RYB</b>	54, 129, 90
Decimal	6127926
CIELab	49.85, -26.02, 36.04
CIELCh	50, 44.454, 125.833
Yxy	18.2940, 0.3460, 0.4858
Android (android.graphics.Color)	4284318006 (0xFF5D8136)
YUV	109.6860, -27.4532, -14.6336
Hunter-Lab	42.7715, -20.4702, 21.1593

# Details

The Hex color **5D8136** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5A3681**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **91B667**, and **2B4F03** is the 20% darker color. If you saturate the color by 10%, you get **578129**, and if you desaturate by 10%, it is **638143**.

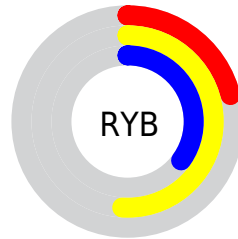
# Distribution



Red (36%)

Green (51%)

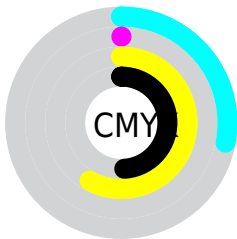
Blue (21%)



Red (21%)

Yellow (51%)

Blue (35%)

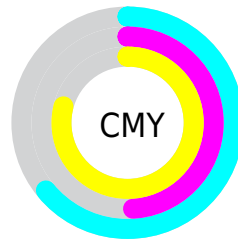


Cyan (28%)

Magenta (0%)

Yellow (58%)

Black (49%)



Cyan (64%)

Magenta (49%)

Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5D8136 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 5D8136 by changing the saturation by 10% instead.



 5D8136

 5D8136

FFFFFF

 44681E

 91B667

 2B4F03

 ADD281

 143800

 C9EE9C

 002300

 E5FFB7

 000000

 FFFFD3

 FFFFEE

 5D8136

 5D8136

 578129

 638143

■ 51811C

■ 698150

■ 4A810F

■ 70815D

■ 448102

■ 76816A

■ 438100

■ 7C8177

■ 828183

■ 888190

■ 8F819D

■ 9581AA

# Harmonies

## Analogous

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



857726



5D8136



208756

# Triad

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



5D8136



0083BB



BC5571

# Complementary

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



5D8136



5A3681

# 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.



AB5B96



5D8136



3B78C2

# Square

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



5D8136



0088A2



826AB4



B85B4C

# Rectangle

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



5D8136



008970



826AB4



B8557D



# Sweetspot

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



5D8136



9BA88C



815936



4C5443



D4D4D4



545454



# Same Dimension

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



5D8136



70A832



398136



3D4039



428000



000000



# Inverse Universe

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



5A3681



6B32A8



7F3681



3C3940



3D0080



000000



# Previews

## White Background



This preview shows how the Hex color 5D8136 looks on a white background.

## Color Contrast Check

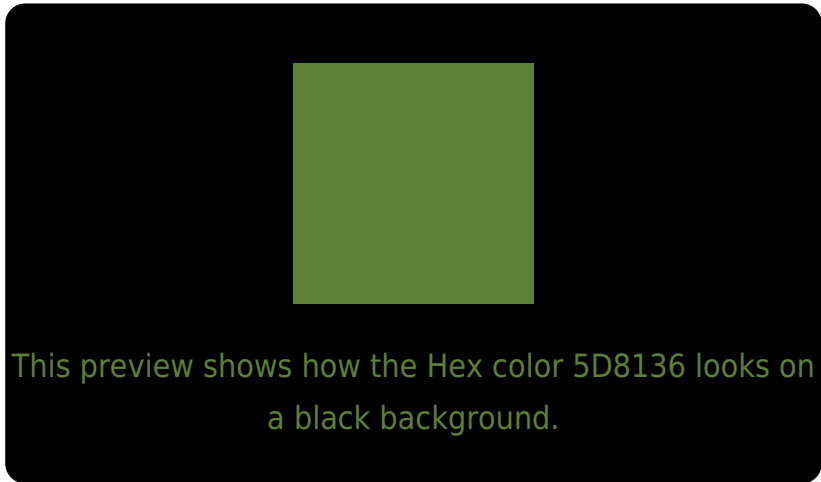
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × 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 × Fail

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



## Hex 5D8136 Background



This preview shows how black text looks on a background with the Hex color 5D8136.



This preview shows how white text looks on a background with the Hex color 5D8136.

# 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**  
5D8136

**Protanopia**  
837633

**Deuteranopia**  
91713B



**Tritanopia**  
687983

# Trichromacy



**Original Color**  
5D8136

**Protanomaly**  
757A34

**Deuteranomaly**  
7E7739

**Tritanomaly**  
647C67

# Monochromacy



**Original Color**  
5D8136

**Achromatopsia**  
6E6E6E

**Achromatomaly**  
68755A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5D8136 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 #5D8136 looks like.

```
.text, #text, p{  
    color:#5D8136  
}
```

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 #5D8136 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5D8136
}
```

## Border

The CSS property to change the border of an element to Hex 5D8136 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
#5D8136 }
```

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

```
.border{ border-color:#5D8136 }
```

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

Here you see how a box with a 4 pixel #5D8136 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5D8136; -webkit-box-shadow:4px 4px  
4px 4px #5D8136; box-shadow:4px 4px 4px  
4px #5D8136 }
```

# Background

The CSS property to change the background color of an element to Hex 5D8136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5D8136 }
```

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

```
.background{ background-color:#5D8136 }
```

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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