

# Converting Colors

Hex(2D5113)

Have a look what the booklet for  
Hex(2D5113) contains.

<b>Hex(2D5113)</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(2D5113)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D5113
RGB	45, 81, 19
RGB Percent	18%, 32%, 7%
CMY	0.8235, 0.6824, 0.9255
CMYK	0.44, 0.00, 0.77, 0.68
HSL	95°, 62%, 20%
HSV	95°, 77%, 32%
XYZ	4.1422, 6.4898, 1.6504
YIQ	63.1680, -1.5540, -26.9140

# Conversions

## Conversions Part 2

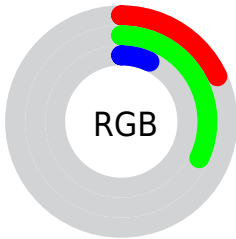
<b>Format</b>	<b>Color</b>
<b>RYB</b>	19, 81, 55
Decimal	2969875
CIELab	30.62, -24.98, 30.88
CIELCh	31, 39.713, 128.971
Yxy	6.4898, 0.3372, 0.5284
Android (android.graphics.Color)	4281159955 (0xFF2D5113)
YUV	63.1680, -21.7748, -15.9333
Hunter-Lab	25.4750, -15.5577, 13.9913

# Details

The Hex color **2D5113** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **371351**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **5E8342**, and **002400** is the 20% darker color. If you saturate the color by 10%, you get **28510B**, and if you desaturate by 10%, it is **32511B**.

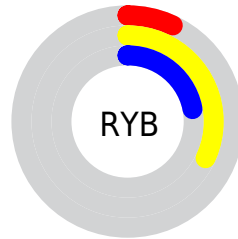
# Distribution



Red (18%)

Green (32%)

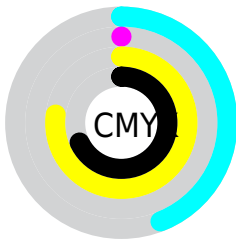
Blue (7%)



Red (7%)

Yellow (32%)

Blue (22%)

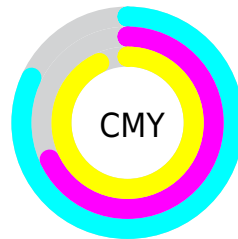


Cyan (44%)

Magenta (0%)

Yellow (77%)

Black (68%)



Cyan (82%)

Magenta (68%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D5113 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 2D5113 by changing the saturation by 10% instead.



 2D5113

 2D5113

FFFFFFC

 163A00

 5E8342

 002400

 789D5A

 000400

 92B873

 000000

 ADD48D

 C9F0A8

 E6FFC3

 FFFFEO

 2D5113

 2D5113

■ 28510B

■ 32511B

■ 245103

■ 365123

■ 225100

■ 3B512B

■ 405133

■ 45513C

■ 495144

■ 4E514C

■ 535154

■ 57515C

# Harmonies

## Analogous

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



4F4A00



2D5113



005531

# Triad

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



2D5113



005182



7F2940

# Complementary

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



2D5113



371351

# 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.



742E5F



2D5113



0A4986

# Square

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



2D5113



00566E



553C79



7A3123

# Rectangle

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



2D5113



005646



553C79



7E294A



# Sweetspot

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



2D5113



5B6951



513613



2D3627



B5B5B5



363636



# Same Dimension

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



2D5113



316908



135117



262925



2C6900



61E800



# Inverse Universe

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



371351



400869



51134D



272529



3D0069

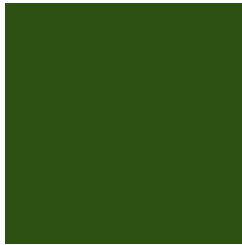


8700E8



# Previews

## White Background



This preview shows how the Hex color 2D5113 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 ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

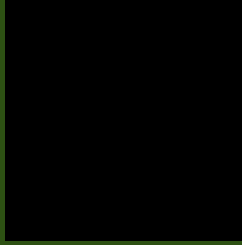
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D5113 Background



This preview shows how black text looks on a background with the Hex color 2D5113.



This preview shows how white text looks on a background with the Hex color 2D5113.

# 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**  
2D5113

**Protanopia**  
514811

**Deuteranopia**  
5A4418



**Tritanopia**  
364B52

# Trichromacy



**Original Color**  
2D5113

**Protanomaly**  
444B12

**Deuteranomaly**  
4A4916

**Tritanomaly**  
334D3B

# Monochromacy



**Original Color**  
2D5113

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
38462F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D5113 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 #2D5113 looks like.

```
.text, #text, p{  
    color:#2D5113  
}
```

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 #2D5113 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D5113
}
```

## Border

The CSS property to change the border of an element to Hex 2D5113 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
#2D5113 }
```

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

```
.border{ border-color:#2D5113 }
```

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

Here you see how a box with a 4 pixel #2D5113 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D5113; -webkit-box-shadow:4px 4px  
4px 4px #2D5113; box-shadow:4px 4px 4px  
4px #2D5113 }
```

# Background

The CSS property to change the background color of an element to Hex 2D5113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D5113 }
```

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

```
.background{ background-color:#2D5113 }
```

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