

# Converting Colors

Hex(2D5C17)

Have a look what the booklet for  
Hex(2D5C17) contains.

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# Color

Hex(2D5C17)

# Conversions

## Conversions Part 1

Format	Color
Hex	2D5C17
RGB	45, 92, 23
RGB Percent	18%, 36%, 9%
CMY	0.8235, 0.6392, 0.9098
CMYK	0.51, 0.00, 0.75, 0.64
HSL	101°, 60%, 23%
HSV	101°, 75%, 36%
XYZ	5.0640, 8.2740, 2.1408
YIQ	70.0810, -5.8630, -31.4230

# Conversions

## Conversions Part 2

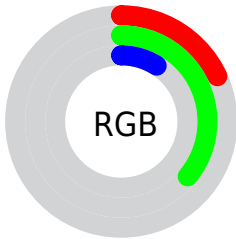
<b>Format</b>	<b>Color</b>
<b>RYB</b>	23, 92, 70
Decimal	2972695
CIELab	34.55, -29.73, 33.17
CIELCh	35, 44.546, 131.872
Yxy	8.2740, 0.3272, 0.5345
Android (android.graphics.Color)	4281162775 (0xFF2D5C17)
YUV	70.0810, -23.2109, -21.9960
Hunter-Lab	28.7646, -18.9133, 15.7227

# Details

The Hex color **2D5C17** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **46175C**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **608F47**, and **002D00** is the 20% darker color. If you saturate the color by 10%, you get **275C0E**, and if you desaturate by 10%, it is **335C20**.

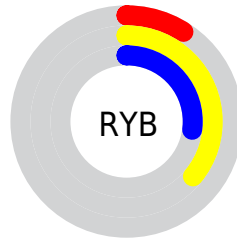
# Distribution



Red (18%)

Green (36%)

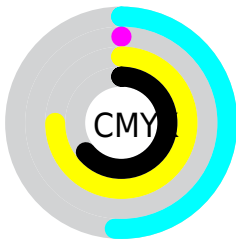
Blue (9%)



Red (9%)

Yellow (36%)

Blue (27%)

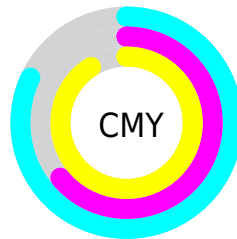


Cyan (51%)

Magenta (0%)

Yellow (75%)

Black (64%)



Cyan (82%)

Magenta (64%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D5C17 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 2D5C17 by changing the saturation by 10% instead.



 2D5C17

 2D5C17

FFFFFF

 134400

 608F47

 002D00

 7AA95F

 001900

 94C579

 000000

 B0E193

 CCFEAE

 E8FFCA

 FFFFE6

 2D5C17

 2D5C17

■ 275C0E

■ 335C20

■ 205C05

■ 3A5C29

■ 1D5C00

■ 405C33

■ 465C3C

■ 4C5C45

■ 535C4E

■ 595C57

■ 5F5C61

■ 655C6A

# Harmonies

## Analogous

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



555400



2D5C17



00603A

# Triad

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



2D5C17



005B95



912D45

# Complementary

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



2D5C17



46175C

# 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.



863168



2D5C17



195197

# Square

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



2D5C17



006080



644186



893823

# Rectangle

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



2D5C17



006152



644186



8F2C51



# Sweetspot

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



2D5C17



65785C



5C4517



323D2C



BDBDBD



3D3D3D



# Same Dimension

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



2D5C17



2E780C



175C22



2B2E29



236E00



4CED00



# Inverse Universe

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



46175C



550C78



5C1750



2C292E



4B006E

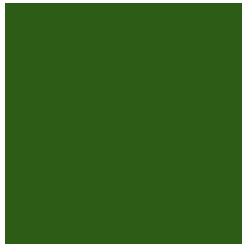


A200ED



# Previews

## White Background



This preview shows how the Hex color 2D5C17 looks on a white background.

## Color Contrast Check

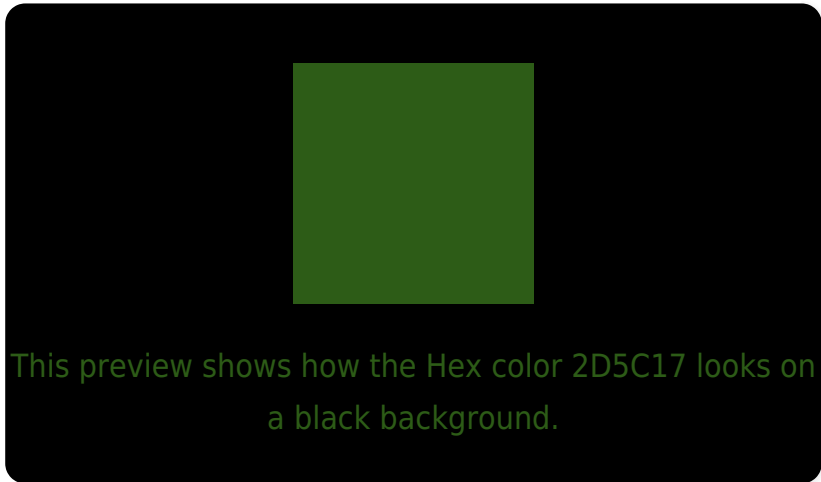
Large Text (above 18pt) WCAG AA ✓ Pass

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

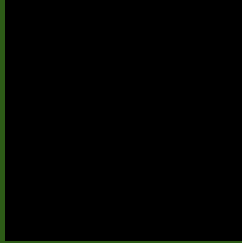
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D5C17 Background



This preview shows how black text looks on a background with the Hex color 2D5C17.



This preview shows how white text looks on a background with the Hex color 2D5C17.

# 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**  
2D5C17

**Protanopia**  
5B5114

**Deuteranopia**  
654D1D



# Trichromacy



**Original Color**  
2D5C17

**Protanomaly**  
4A5515

**Deuteranomaly**  
51521B

**Tritanomaly**  
355844

# Monochromacy



**Original Color**  
2D5C17

**Achromatopsia**  
464646

**Achromatomaly**  
3D4E35

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D5C17 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 #2D5C17 looks like.

```
.text, #text, p{  
    color:#2D5C17  
}
```

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 #2D5C17 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D5C17
}
```

## Border

The CSS property to change the border of an element to Hex 2D5C17 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
#2D5C17 }
```

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

```
.border{ border-color:#2D5C17 }
```

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

Here you see how a box with a 4 pixel #2D5C17 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D5C17; -webkit-box-shadow:4px 4px  
4px 4px #2D5C17; box-shadow:4px 4px 4px  
4px #2D5C17 }
```

# Background

The CSS property to change the background color of an element to Hex 2D5C17 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D5C17 }
```

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

```
.background{ background-color:#2D5C17 }
```

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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