

# Converting Colors

Hex(2F6610)

Have a look what the booklet for  
Hex(2F6610) contains.

<b>Hex(2F6610)</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(2F6610)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2F6610
RGB	47, 102, 16
RGB Percent	18%, 40%, 6%
CMY	0.8157, 0.6000, 0.9373
CMYK	0.54, 0.00, 0.84, 0.60
HSL	98°, 73%, 23%
HSV	98°, 84%, 40%
XYZ	6.0172, 10.1445, 2.1312
YIQ	75.7510, -5.1740, -38.4060

# Conversions

## Conversions Part 2

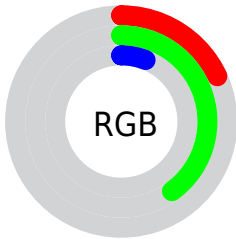
<b>Format</b>	<b>Color</b>
<b>RYB</b>	16, 102, 71
Decimal	3106320
CIELab	38.10, -33.92, 39.38
CIElCh	38, 51.970, 130.738
Yxy	10.1445, 0.3289, 0.5546
Android (android.graphics.Color)	4281296400 (0xFF2F6610)
YUV	75.7510, -29.4572, -25.2146
Hunter-Lab	31.8504, -22.0160, 18.3281

# Details

The Hex color **2F6610** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **471066**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **639A43**, and **003600** is the 20% darker color. If you saturate the color by 10%, you get **286606**, and if you desaturate by 10%, it is **36661A**.

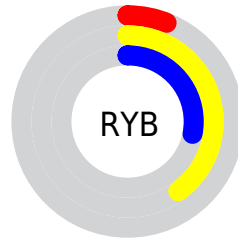
# Distribution



Red (18%)

Green (40%)

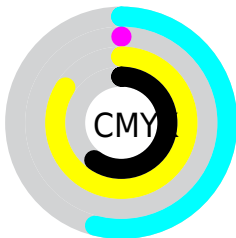
Blue (6%)



Red (6%)

Yellow (40%)

Blue (28%)

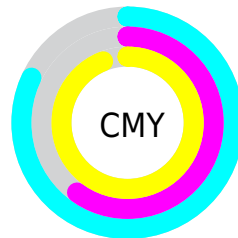


Cyan (54%)

Magenta (0%)

Yellow (84%)

Black (60%)



Cyan (82%)

Magenta (60%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F6610 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 2F6610 by changing the saturation by 10% instead.



 2F6610

 2F6610

FFFFFF

 124E00

 639A43

 003600

 7EB55C

 002300

 99D076

 000000

 B5ED90

 D1FFAB

 EEFFC7

 FFFF E3

 2F6610

 2F6610

■ 286606

■ 36661A

■ 256600

■ 3C6624

■ 43662F

■ 496639

■ 506643

■ 56664D

■ 5D6657

■ 636662

■ 6A666C

# Harmonies

## Analogous

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



5F5D00



2F6610



006B3C

# Triad

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



2F6610



0066A9



A42B4C

# Complementary

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



2F6610



471066

# 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.



963276



2F6610



005AAD

# Square

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



2F6610



006B90



6E479A



9B3A24

# Rectangle

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



2F6610



006C5A



6E479A



A22B5A



# Sweetspot

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



2F6610



6F8563



664610



36422E



C2C2C2



424242



# Same Dimension

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



2F6610



308500



10661B



30332E



297300



57F200



# Inverse Universe

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



471066



550085



66105B



312E33



490073

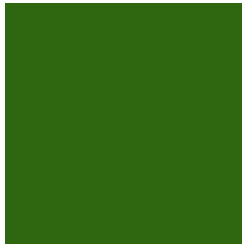


9B00F2



# Previews

## White Background



This preview shows how the Hex color 2F6610 looks on a white background.

## Color Contrast Check

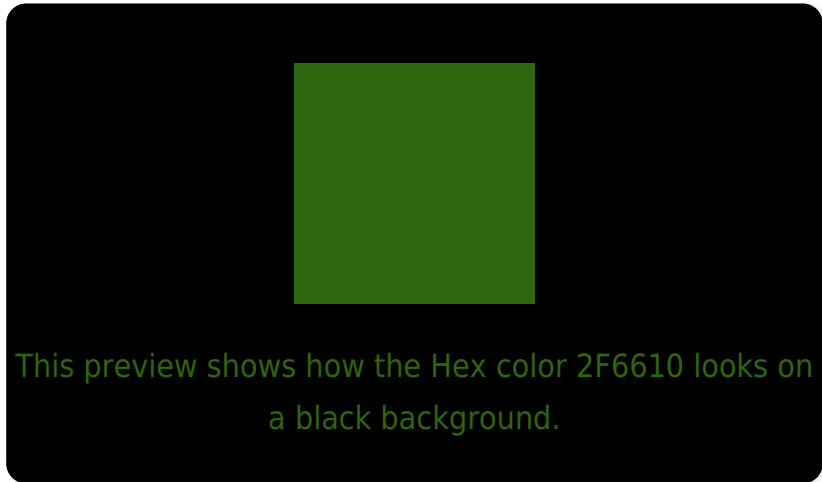
Large Text (above 18pt) WCAG AA ✓ Pass

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 × 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 2F6610 Background



This preview shows how black text looks on a background with the Hex color 2F6610.



This preview shows how white text looks on a background with the Hex color 2F6610.

# 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**  
2F6610

**Protanopia**  
655A0C

**Deuteranopia**  
70551A



**Tritanopia**  
3D5F67

# Trichromacy



**Original Color**  
2F6610

**Protanomaly**  
515E0D

**Deuteranomaly**  
585B16

**Tritanomaly**  
386247

# Monochromacy



**Original Color**  
2F6610

**Achromatopsia**  
4C4C4C

**Achromatomaly**  
415536

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F6610 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 #2F6610 looks like.

```
.text, #text, p{  
    color:#2F6610  
}
```

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 #2F6610 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F6610
}
```

## Border

The CSS property to change the border of an element to Hex 2F6610 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".

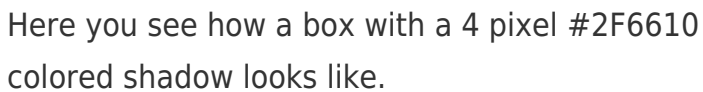
```
.border, #border, table{ border:4px solid
#2F6610 }
```

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

```
.border{ border-color:#2F6610 }
```

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

Here you see how a box with a 4 pixel #2F6610 colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The shadow is cast to the right and bottom of the box, matching the #2F6610 color mentioned in the text.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F6610; -webkit-box-shadow:4px 4px  
4px 4px #2F6610; box-shadow:4px 4px 4px  
4px #2F6610 }
```

# Background

The CSS property to change the background color of an element to Hex 2F6610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F6610 }
```

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

```
.background{ background-color:#2F6610 }
```

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