

# Converting Colors

Hex(2F4C20)

Have a look what the booklet for  
Hex(2F4C20) contains.

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# Color

Hex(2F4C20)

# Conversions

## Conversions Part 1

Format	Color
Hex	2F4C20
RGB	47, 76, 32
RGB Percent	18%, 30%, 13%
CMY	0.8157, 0.7020, 0.8745
CMYK	0.38, 0.00, 0.58, 0.70
HSL	100°, 41%, 21%
HSV	100°, 58%, 30%
XYZ	4.0174, 5.8775, 2.2892
YIQ	62.3130, -3.1600, -19.8320

# Conversions

## Conversions Part 2

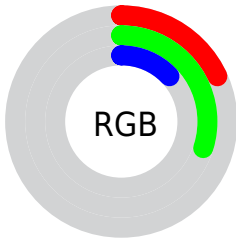
Format	Color
<a href="#">RYB</a>	<a href="#">32, 76, 61</a>
Decimal	<a href="#">3099680</a>
CIELab	<a href="#">29.10, -20.23, 22.56</a>
CIELCh	<a href="#">29, 30.304, 131.885</a>
Yxy	<a href="#">5.8775, 0.3297, 0.4824</a>
Android (android.graphics.Color)	<a href="#">4281289760 (0xFF2F4C20)</a>
YUV	<a href="#">62.3130, -14.9443, -13.4295</a>
Hunter-Lab	<a href="#">24.2436, -12.8467, 11.3720</a>

# Details

The Hex color **2F4C20** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **3D204C**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **5F7D4D**, and **002000** is the 20% darker color. If you saturate the color by 10%, you get **2A4C18**, and if you desaturate by 10%, it is **344C28**.

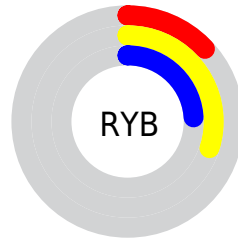
# Distribution



Red (18%)

Green (30%)

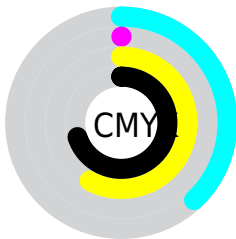
Blue (13%)



Red (13%)

Yellow (30%)

Blue (24%)

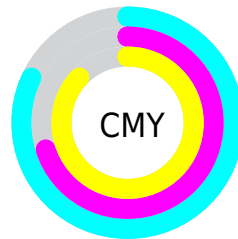


Cyan (38%)

Magenta (0%)

Yellow (58%)

Black (70%)



Cyan (82%)

Magenta (70%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F4C20 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 2F4C20 by changing the saturation by 10% instead.



 2F4C20

 2F4C20

FFFFFF

 18350A

 5F7D4D

 002000

 789766

 000000

 92B27F

 ADCD99

 C9EAB4

 E5FFD0

 FFFFEC

 2F4C20

 2F4C20

■ 2A4C18

■ 344C28

■ 254C11

■ 394C2F

■ 204C09

■ 3E4C37

■ 1B4C02

■ 434C3E

■ 1A4C00

■ 484C46

■ 4D4C4E

■ 524C55

■ 574C5D

■ 5C4C64

# Harmonies

## Analogous

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



494614



2F4C20



004F35

# Triad

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



2F4C20



004B71



70303C

# Complementary

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



2F4C20



3D204C

# 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.



683254



2F4C20



2B4472

# Square

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



2F4C20



004F63



523B68



6B3526

# Rectangle

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



2F4C20



005045



523B68



6F3044



# Sweetspot

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



2F4C20



586353



4C3D20



2C3329



B3B3B3



333333



# Same Dimension

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



2F4C20



36631F



204C27



242622



236600



4EE600



# Inverse Universe

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



3D204C



4C1F63



4C2045



252226



430066

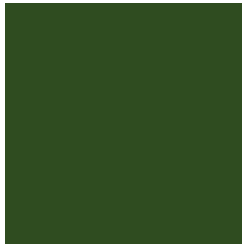


9700E6



# Previews

## White Background



This preview shows how the Hex color 2F4C20 looks on a white background.

## Color Contrast Check

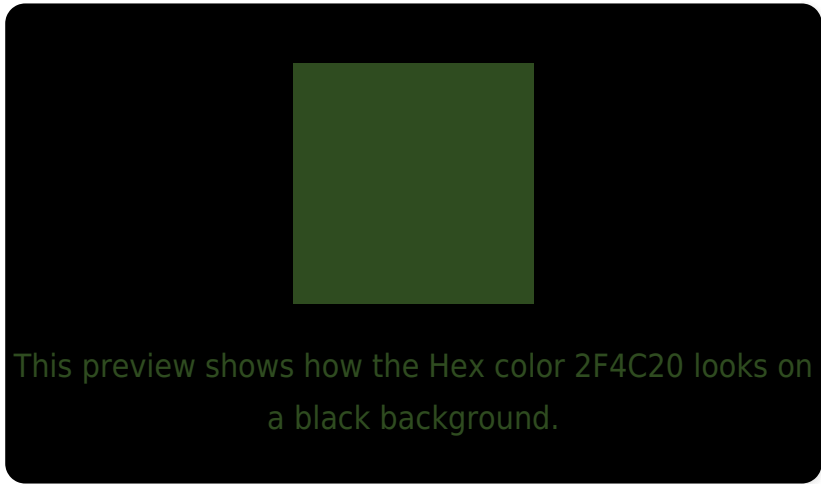
Large Text (above 18pt) WCAG AA ✓ Pass

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

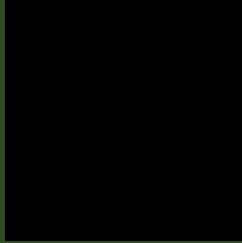
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2F4C20 Background



This preview shows how black text looks on a background with the Hex color 2F4C20.



This preview shows how white text looks on a background with the Hex color 2F4C20.

# 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](#).

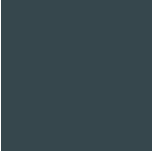
## Dichromacy



**Original Color**  
2F4C20

**Protanopia**  
4C451E

**Deuteranopia**  
544123



**Tritanopia**  
36474D

# Trichromacy



**Original Color**  
2F4C20

**Protanomaly**  
41481F

**Deuteranomaly**  
474522

**Tritanomaly**  
33493D

# Monochromacy



**Original Color**  
2F4C20

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
394333

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F4C20 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 #2F4C20 looks like.

```
.text, #text, p{  
    color:#2F4C20  
}
```

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 #2F4C20 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F4C20
}
```

## Border

The CSS property to change the border of an element to Hex 2F4C20 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".

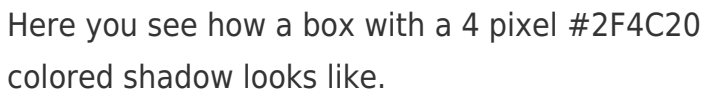
```
.border, #border, table{ border:4px solid
#2F4C20 }
```

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

```
.border{ border-color:#2F4C20 }
```

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

Here you see how a box with a 4 pixel #2F4C20 colored shadow looks like.

A rectangular box with a dark green border and a dark green shadow. The box is white with a thin dark green border on the top and left sides, and a thicker dark green shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F4C20; -webkit-box-shadow:4px 4px  
4px 4px #2F4C20; box-shadow:4px 4px 4px  
4px #2F4C20 }
```

# Background

The CSS property to change the background color of an element to Hex 2F4C20 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F4C20 }
```

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

```
.background{ background-color:#2F4C20 }
```

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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