

# Converting Colors

Hex(284F20)

Have a look what the booklet for  
Hex(284F20) contains.

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# Color

**Hex(284F20)**

# Conversions

## Conversions Part 1

Format	Color
Hex	284F20
RGB	40, 79, 32
RGB Percent	16%, 31%, 13%
CMY	0.8431, 0.6902, 0.8745
CMYK	0.49, 0.00, 0.59, 0.69
HSL	110°, 42%, 22%
HSV	110°, 59%, 31%
XYZ	3.9318, 6.1474, 2.3458
YIQ	61.9810, -8.1570, -22.8850

# Conversions

## Conversions Part 2

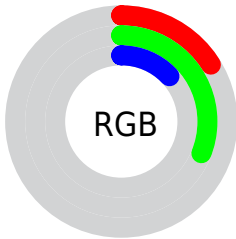
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 79, 71
Decimal	2641696
CIE Lab	29.78, -24.41, 23.28
CIE LCh	30, 33.733, 136.355
Yxy	6.1474, 0.3164, 0.4948
Android (android.graphics.Color)	4280831776 (0xFF284F20)
YUV	61.9810, -14.7806, -19.2773
Hunter-Lab	24.7939, -15.0831, 11.7461

# Details

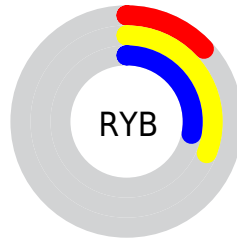
The Hex color **284F20** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **47204F**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **58814E**, and **002200** is the 20% darker color. If you saturate the color by 10%, you get **214F18**, and if you desaturate by 10%, it is **2F4F28**.

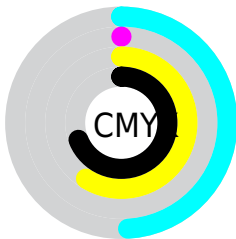
# Distribution



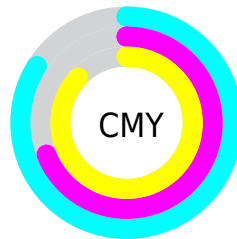
- Red (16%)
- Green (31%)
- Blue (13%)



- Red (13%)
- Yellow (31%)
- Blue (28%)



- Cyan (49%)
- Magenta (0%)
- Yellow (59%)
- Black (69%)



- Cyan (84%)
- Magenta (69%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 284F20 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 284F20 by changing the saturation by 10% instead.



 284F20

 284F20

FFFFFF

 10380A

 58814E

 002200

 729B66

 000000

 8CB67F

 A7D199

 C2EEB4

 DFFFD0

 FBF FEC

 284F20

 284F20

■ 214F18

■ 2F4F28

■ 1B4F10

■ 354F30

■ 144F08

■ 3C4F38

■ 0E4F00

■ 424F40

■ 0D4F00

■ 494F48

■ 4F4F4F

■ 564F57

■ 5C4F5F

■ 634F67

# Harmonies

## Analogous

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



46490F



284F20



005239

# Triad

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



284F20



004C79



762F39

# Complementary

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



284F20



47204F

# 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.



703053



284F20



304479

# Square

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



284F20



00516B



5A396B



6F3621

# Rectangle

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



284F20



00534B



5A396B



762E42



# Sweetspot

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



284F20



576654



4F4620



2A3328



B3B3B3



333333



# Same Dimension

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



284F20



2A661E



204F2F



232622



116600



27E600



# Inverse Universe

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



47204F



5A1E66



4F2040



262226



550066

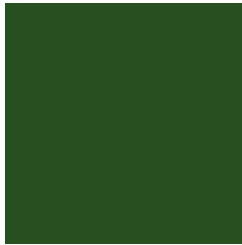


BE00E6



# Previews

## White Background



This preview shows how the Hex color 284F20 looks on a white background.

## Color Contrast Check

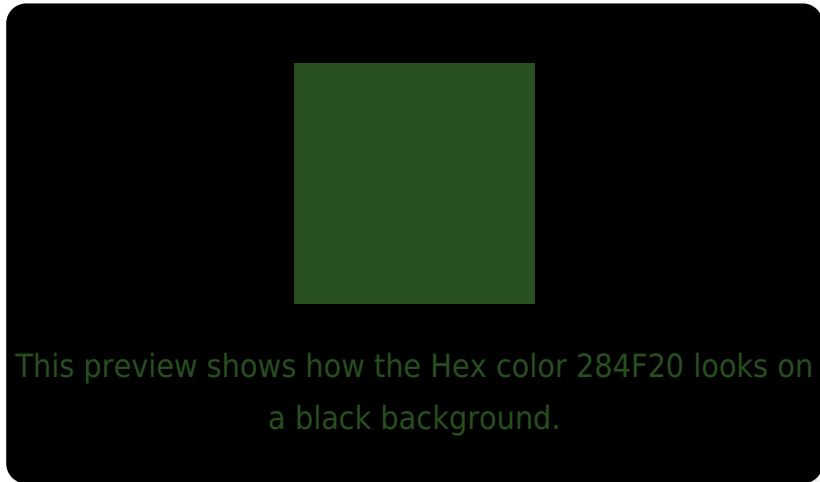
Large Text (above 18pt) WCAG AA ✓ Pass

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

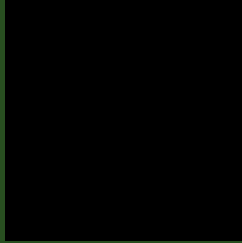
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 284F20 Background



This preview shows how black text looks on a background with the Hex color 284F20.



This preview shows how white text looks on a background with the Hex color 284F20.

# 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](#).

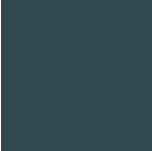
## Dichromacy



**Original Color**  
284F20

**Protanopia**  
4E461D

**Deuteranopia**  
564324



**Tritanopia**  
314A50

# Trichromacy



**Original Color**  
284F20

**Protanomaly**  
40491E

**Deuteranomaly**  
454723

**Tritanomaly**  
2E4C3F

# Monochromacy



**Original Color**  
284F20

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
364433

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 284F20 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 #284F20 looks like.

```
.text, #text, p{  
    color:#284F20  
}
```

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 #284F20 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #284F20
}
```

## Border

The CSS property to change the border of an element to Hex 284F20 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".

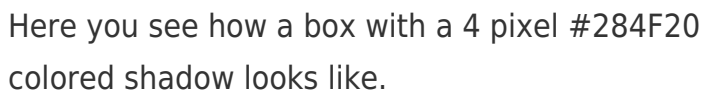
```
.border, #border, table{ border:4px solid
#284F20 }
```

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

```
.border{ border-color:#284F20 }
```

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

Here you see how a box with a 4 pixel #284F20 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #284F20; -webkit-box-shadow:4px 4px  
4px 4px #284F20; box-shadow:4px 4px 4px  
4px #284F20 }
```

# Background

The CSS property to change the background color of an element to Hex 284F20 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#284F20 }
```

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

```
.background{ background-color:#284F20 }
```

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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