

# Converting Colors

Hex(2C4E16)

Have a look what the booklet for  
Hex(2C4E16) contains.

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# Color

**Hex(2C4E16)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2C4E16
RGB	44, 78, 22
RGB Percent	17%, 31%, 9%
CMY	0.8275, 0.6941, 0.9137
CMYK	0.44, 0.00, 0.72, 0.69
HSL	96°, 56%, 20%
HSV	96°, 72%, 31%
XYZ	3.9079, 6.0422, 1.7193
YIQ	61.4500, -2.2880, -24.6240

# Conversions

## Conversions Part 2

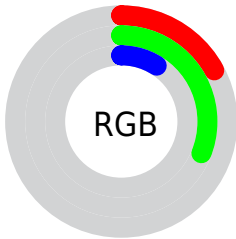
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 78, 56
Decimal	2903574
CIE Lab	29.52, -23.63, 28.30
CIE LCh	30, 36.870, 129.855
Yxy	6.0422, 0.3349, 0.5178
Android (android.graphics.Color)	4281093654 (0xFF2C4E16)
YUV	61.4500, -19.4488, -15.3036
Hunter-Lab	24.5808, -14.6382, 13.0595

# Details

The Hex color **2C4E16** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **38164E**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **5D7F44**, and **002200** is the 20% darker color. If you saturate the color by 10%, you get **274E0E**, and if you desaturate by 10%, it is **314E1E**.

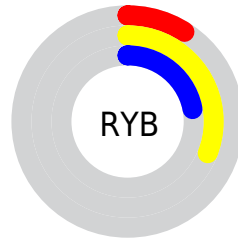
# Distribution



Red (17%)

Green (31%)

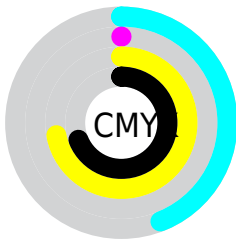
Blue (9%)



Red (9%)

Yellow (31%)

Blue (22%)

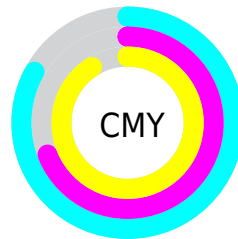


Cyan (44%)

Magenta (0%)

Yellow (72%)

Black (69%)



Cyan (83%)

Magenta (69%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2C4E16 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 2C4E16 by changing the saturation by 10% instead.





2C4E16



2C4E16

FFFFFFE



153700



5D7F44



002200



769A5C



000000



90B475



ABD08F



C7ECAA



E4FFC5



FFFFE2



2C4E16



2C4E16

■ 274E0E

■ 314E1E

■ 234E06

■ 354E26

■ 1F4E00

■ 3A4E2D

■ 3F4E35

■ 444E3D

■ 484E45

■ 4D4E4D

■ 524E54

■ 574E5C

# Harmonies

## Analogous

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



4B4704



2C4E16



005231

# Triad

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



2C4E16



004E7B



792A3D

# Complementary

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



2C4E16



38164E

# 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.



6F2E5A



2C4E16



18467E

# Square

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



2C4E16



00526A



533A72



743122

# Rectangle

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



2C4E16



005345



533A72



782A47



# Sweetspot

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



2C4E16



586650



4E3816



2B3326



B3B3B3



333333



# Same Dimension

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



2C4E16



31660E



164E1C



242622



286600



5AE600



# Inverse Universe

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



38164E



440E66



4E1648



252226



3E0066

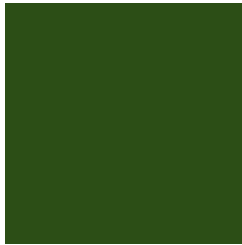


8B00E6



# Previews

## White Background



This preview shows how the Hex color 2C4E16 looks on a white background.

## Color Contrast Check

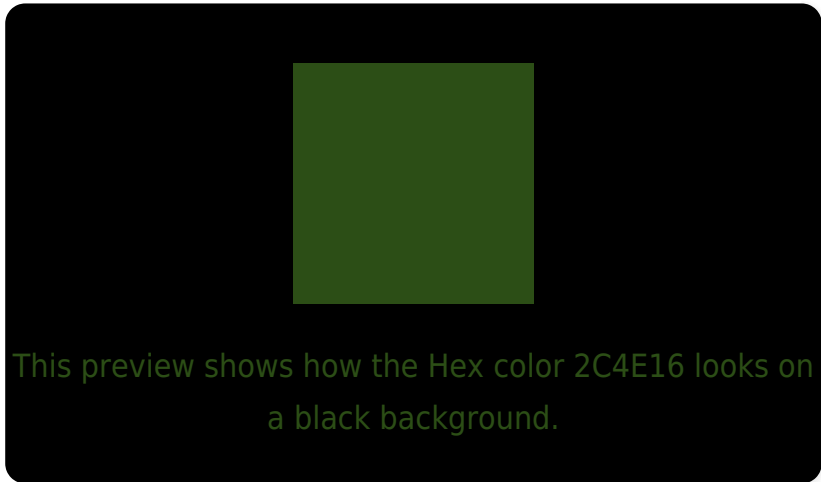
Large Text (above 18pt) WCAG AA ✓ Pass

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

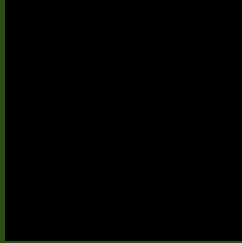
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2C4E16 Background



This preview shows how black text looks on a background with the Hex color 2C4E16.



This preview shows how white text looks on a background with the Hex color 2C4E16.

# 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](#).

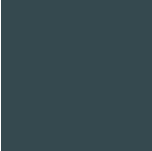
## Dichromacy



**Original Color**  
2C4E16

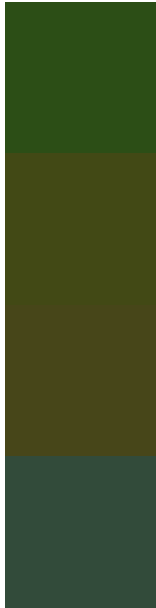
**Protanopia**  
4E4614

**Deuteranopia**  
56421B



**Tritanopia**  
35494F

# Trichromacy



**Original Color**  
2C4E16

**Protanomaly**  
424915

**Deuteranomaly**  
474619

**Tritanomaly**  
324B3A

# Monochromacy



**Original Color**  
2C4E16

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
37432F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2C4E16 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 #2C4E16 looks like.

```
.text, #text, p{  
    color:#2C4E16  
}
```

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 #2C4E16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2C4E16
}
```

## Border

The CSS property to change the border of an element to Hex 2C4E16 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
#2C4E16 }
```

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

```
.border{ border-color:#2C4E16 }
```

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

Here you see how a box with a 4 pixel #2C4E16 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2C4E16; -webkit-box-shadow:4px 4px  
4px 4px #2C4E16; box-shadow:4px 4px 4px  
4px #2C4E16 }
```

# Background

The CSS property to change the background color of an element to Hex 2C4E16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2C4E16 }
```

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

```
.background{ background-color:#2C4E16 }
```

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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