

# Converting Colors

Hex(245B14)

Have a look what the booklet for  
Hex(245B14) contains.

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# Color

**Hex(245B14)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	245B14
RGB	36, 91, 20
RGB Percent	14%, 36%, 8%
CMY	0.8588, 0.6431, 0.9216
CMYK	0.60, 0.00, 0.78, 0.64
HSL	106°, 64%, 22%
HSV	106°, 78%, 36%
XYZ	4.5949, 7.9077, 1.9460
YIQ	66.4610, -9.9890, -33.7410

# Conversions

## Conversions Part 2

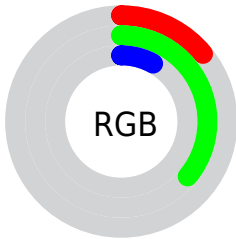
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	20, 91, 75
Decimal	2382612
CIE Lab	33.79, -32.47, 33.55
CIE LCh	34, 46.691, 134.057
Yxy	7.9077, 0.3180, 0.5473
Android (android.graphics.Color)	4280572692 (0xFF245B14)
YUV	66.4610, -22.9053, -26.7143
Hunter-Lab	28.1207, -20.0445, 15.5816

# Details

The Hex color **245B14** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4B145B**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **588E44**, and **002C00** is the 20% darker color. If you saturate the color by 10%, you get **1D5B0B**, and if you desaturate by 10%, it is **2B5B1D**.

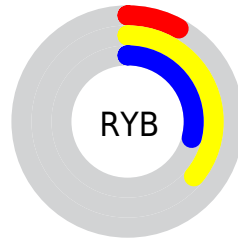
# Distribution



Red (14%)

Green (36%)

Blue (8%)



Red (8%)

Yellow (36%)

Blue (29%)

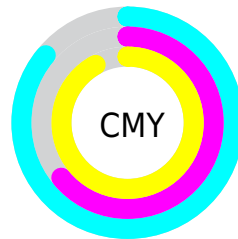


Cyan (60%)

Magenta (0%)

Yellow (78%)

Black (64%)



Cyan (86%)

Magenta (64%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 245B14 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 245B14 by changing the saturation by 10% instead.





245B14



245B14

FFFFFF



054300



588E44



002C00



72A95D



001600



8DC476



000000



A8E090



C4FDAB



E0FFC7



FDFFE3



245B14



245B14

■ 1D5B0B

■ 2B5B1D

■ 165B02

■ 325B26

■ 155B00

■ 395B2F

■ 405B38

■ 475B42

■ 4E5B4B

■ 555B54

■ 5C5B5D

■ 635B66

# Harmonies

## Analogous

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



505300



245B14



005F3A

# Triad

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



245B14



005997



912840

# Complementary

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



245B14



4B145B

# 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.



872C65



245B14



194E98

# Square

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



245B14



005F82



673D85



88361D

# Rectangle

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



245B14



006054



673D85



90274C



# Sweetspot

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



245B14



60755A



5B4A14



2E3B2A



BABABA



3B3B3B



# Same Dimension

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



245B14



207507



145B27



2A2E29



196E00



35ED00



# Inverse Universe

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



4B145B



5C0775



5B1448



2D292E



55006E

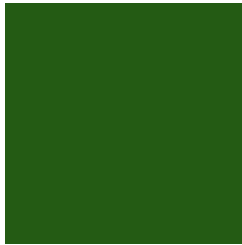


B800ED



# Previews

## White Background



This preview shows how the Hex color 245B14 looks on a white background.

## Color Contrast Check

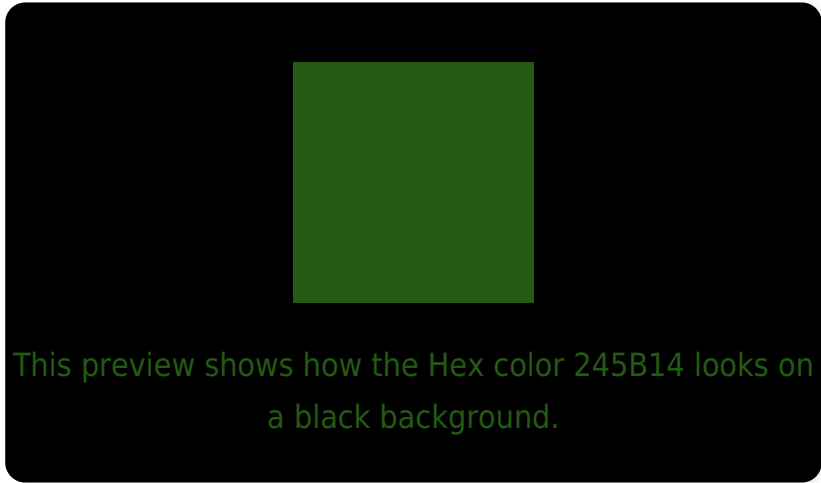
Large Text (above 18pt) WCAG AA ✓ Pass

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

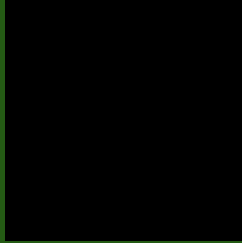
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 245B14 Background



This preview shows how black text looks on a background with the Hex color 245B14.



This preview shows how white text looks on a background with the Hex color 245B14.

# 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](#).

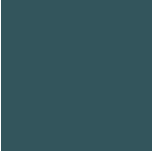
## Dichromacy



**Original Color**  
245B14

**Protanopia**  
594F11

**Deuteranopia**  
634B1B



**Tritanopia**  
33555C

# Trichromacy



**Original Color**  
245B14

**Protanomaly**  
465312

**Deuteranomaly**  
4C5118

**Tritanomaly**  
2E5742

# Monochromacy



**Original Color**  
245B14

**Achromatopsia**  
424242

**Achromatomaly**  
374B31

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 245B14 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 #245B14 looks like.

```
.text, #text, p{  
    color:#245B14  
}
```

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 #245B14 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #245B14
}
```

## Border

The CSS property to change the border of an element to Hex 245B14 is called "border". The border property can be set on classes, ids or directly on the HTML element.

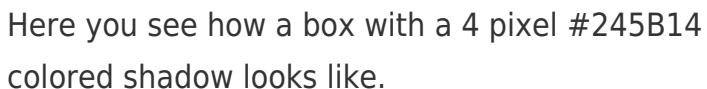
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#245B14 }
```

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

```
.border{ border-color:#245B14 }
```

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



Here you see how a box with a 4 pixel #245B14 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #245B14; -webkit-box-shadow:4px 4px  
4px 4px #245B14; box-shadow:4px 4px 4px  
4px #245B14 }
```

# Background

The CSS property to change the background color of an element to Hex 245B14 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#245B14 }
```

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

```
.background{ background-color:#245B14 }
```

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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