

Converting Colors

Hex(245B28)

Have a look what the booklet for
Hex(245B28) contains.

| | |
|--|----|
| Hex(245B28) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 23 |
| <i>Color Blindness Simulation</i> | 26 |
| <i>CSS Examples</i> | 29 |

Color

Hex(245B28)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 245B28 |
| RGB | 36, 91, 40 |
| RGB Percent | 14%, 36%, 16% |
| CMY | 0.8588, 0.6431, 0.8431 |
| CMYK | 0.60, 0.00, 0.56, 0.64 |
| HSL | 124°, 43%, 25% |
| HSV | 124°, 60%, 36% |
| XYZ | 4.8516, 8.0104, 3.2979 |
| YIQ | 68.7410, -16.4090, -27.5210 |

Conversions

Conversions Part 2

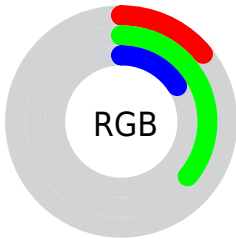
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 36, 87, 91 |
| Decimal | 2382632 |
| CIE _{Lab} | 34.00, -30.06, 23.87 |
| CIE _{LCh} | 34, 38.387, 141.547 |
| Y _{xy} | 8.0104, 0.3002, 0.4957 |
| Android (android.graphics.Color) | 4280572712 (0xFF245B28) |
| YUV | 68.7410, -14.1693, -28.7139 |
| Hunter-Lab | 28.3027, -18.9314, 12.9032 |

Details

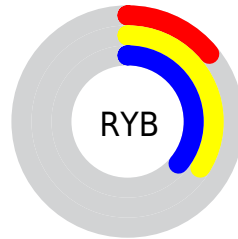
The Hex color **245B28** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5B2457**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **578E57**, and **002C00** is the 20% darker color. If you saturate the color by 10%, you get **1B5B20**, and if you desaturate by 10%, it is **2D5B30**.

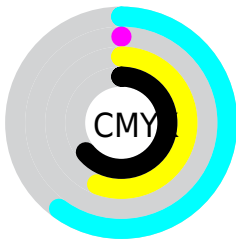
Distribution



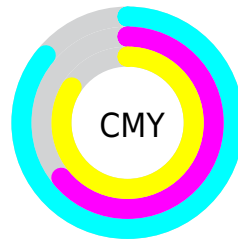
- Red (14%)
- Green (36%)
- Blue (16%)



- Red (14%)
- Yellow (34%)
- Blue (36%)



- Cyan (60%)
- Magenta (0%)
- Yellow (56%)
- Black (64%)



- Cyan (86%)
- Magenta (64%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Hex color 245B28 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 245B28 by changing the saturation by 10% instead.

 245B28

 245B28

FFFFFF

 064312

 578E57

 002C00

 70A86F

 001700

 8BC489

 000000

 A6E0A3

 C2FDBF

 DEFFDB

 FBFFF7

 245B28

 245B28

 1B5B20

 2D5B30

 125B17

 365B39

 095B0F

 3F5B41

 005B07

 485B4A

 525B52

 5B5B5B

 645B63

 6D5B6C

 765B74

Harmonies

Analogous

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



4B5511



245B28



005E46

Triad

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



245B28



00568C



87353B

Complementary

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



245B28



5B2457

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.



83345A



245B28



414B89

Square

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



245B28



005C7F



6C3E76



7C3F21

Rectangle

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



245B28



005F5B



6C3E76



873345

Sweetspot

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



245B28



607562



575B24



2E3B2F



BABABA



3B3B3B

Same Dimension

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



245B28



207526



245B43



292E2A



006E08



00ED11

Inverse Universe

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



5B2457



75206F



5B243C



2E292E



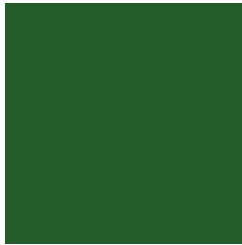
6E0066



ED00DC

Previews

White Background



This preview shows how the Hex color 245B28 looks on a white background.

Color Contrast Check

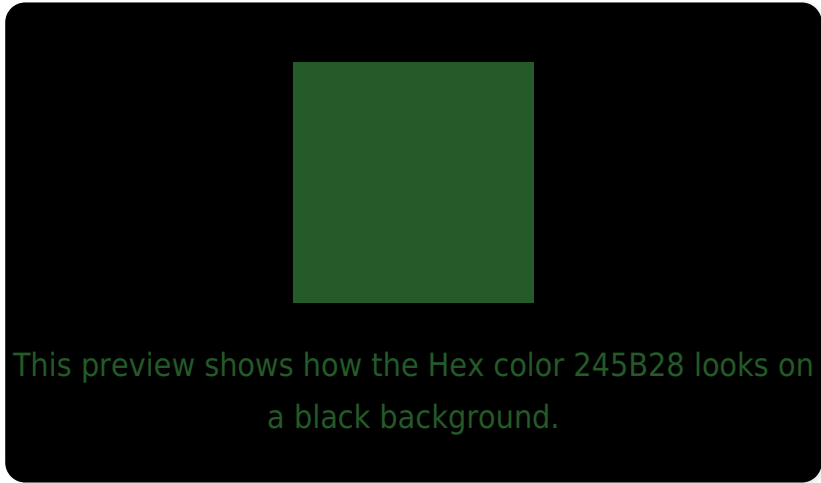
Large Text (above 18pt) WCAG AA ✓ Pass

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

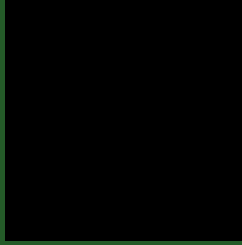
Any Text WCAG AA × Fail

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 245B28 Background



This preview shows how black text looks on a background with the Hex color 245B28.



This preview shows how white text looks on a background with the Hex color 245B28.

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](#).

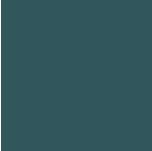
Dichromacy



Original Color
245B28

Protanopia
585024

Deuteranopia
614C2C



Tritanopia
31565C

Trichromacy



Original Color
245B28

Protanomaly
455425

Deuteranomaly
4B512B

Tritanomaly
2C5849

Monochromacy



Original Color
245B28

Achromatopsia
454545

Achromatomaly
394D3A

CSS Examples

Text

The CSS property to change the color of the text to Hex 245B28 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 #245B28 looks like.

```
.text, #text, p{  
    color:#245B28  
}
```

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 #245B28 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #245B28
}
```

Border

The CSS property to change the border of an element to Hex 245B28 is called "border". The border property can be set on classes, ids or directly on the HTML element.

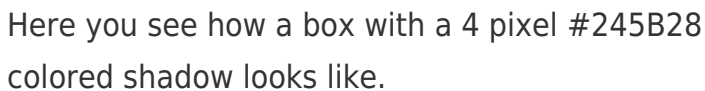
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#245B28 }
```

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

```
.border{ border-color:#245B28 }
```

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



Here you see how a box with a 4 pixel #245B28 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #245B28; -webkit-box-shadow:4px 4px  
4px 4px #245B28; box-shadow:4px 4px 4px  
4px #245B28 }
```

Background

The CSS property to change the background color of an element to Hex 245B28 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#245B28 }
```

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

```
.background{ background-color:#245B28 }
```

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