

# Converting Colors

Hex(257433)

Have a look what the booklet for  
Hex(257433) contains.

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# Color

Hex(257433)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	257433
RGB	37, 116, 51
RGB Percent	15%, 45%, 20%
CMY	0.8549, 0.5451, 0.8000
CMYK	0.68, 0.00, 0.56, 0.55
HSL	131°, 52%, 30%
HSV	131°, 68%, 45%
XYZ	7.6059, 13.1231, 5.2641
YIQ	84.9690, -26.2190, -36.9630

# Conversions

## Conversions Part 2

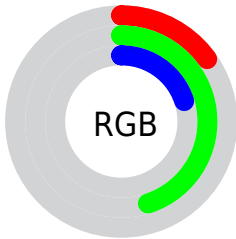
Format	Color
<b>RYB</b>	37, 104, 116
Decimal	2454579
CIELab	42.95, -38.62, 28.78
CIELCh	43, 48.164, 143.313
Yxy	13.1231, 0.2926, 0.5049
Android (android.graphics.Color)	4280644659 (0xFF257433)
YUV	84.9690, -16.7467, -42.0688
Hunter-Lab	36.2258, -25.9178, 16.7424

# Details

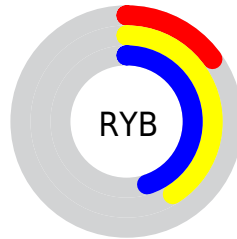
The Hex color **257433** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **742566**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **5CA963**, and **004304** is the 20% darker color. If you saturate the color by 10%, you get **197429**, and if you desaturate by 10%, it is **31743D**.

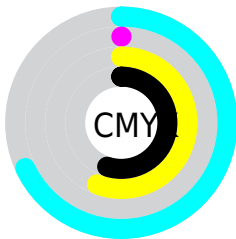
# Distribution



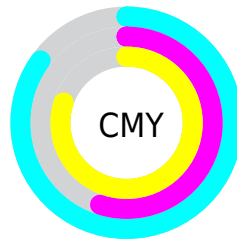
- Red (15%)
- Green (45%)
- Blue (20%)



- Red (15%)
- Yellow (41%)
- Blue (45%)



- Cyan (68%)
- Magenta (0%)
- Yellow (56%)
- Black (55%)



- Cyan (85%)
- Magenta (55%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 257433 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 257433 by changing the saturation by 10% instead.



 257433

 257433

FFFFFF

 005B1C

 5CA963

 004304

 77C47D

 002C00

 93E197

 001200

 AEFEB2

 000000


 CBFFCD

 E8FFEA

 257433

 257433

 197429

 31743D

■ 0E7420

■ 3C7446

■ 027416

■ 487450

■ 007415

■ 537459

■ 5F7463

■ 6B746C

■ 767476

■ 82747F

■ 8D7489

# Harmonies

## Analogous

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



5B6D12



257433



00785B

# Triad

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



257433



006DB5



AC4248

# Complementary

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



257433



742566

# 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.



A83F70



257433



555FAF

# Square

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



257433



0075A5



8D4D96



9D5025

# Rectangle

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



257433



007877



8D4D96



AD3F55



# Sweetspot

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



257433



78967E



677425



3A4D3D



CCCCCC



4D4D4D



# Same Dimension

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



257433



1B9631



25745A



353B36



007A16



00FA2C



# Inverse Universe

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



742566



961B81



74253F



3B353A



7A0065



FA00CE



# Previews

## White Background



This preview shows how the Hex color 257433 looks on a white background.

## Color Contrast Check

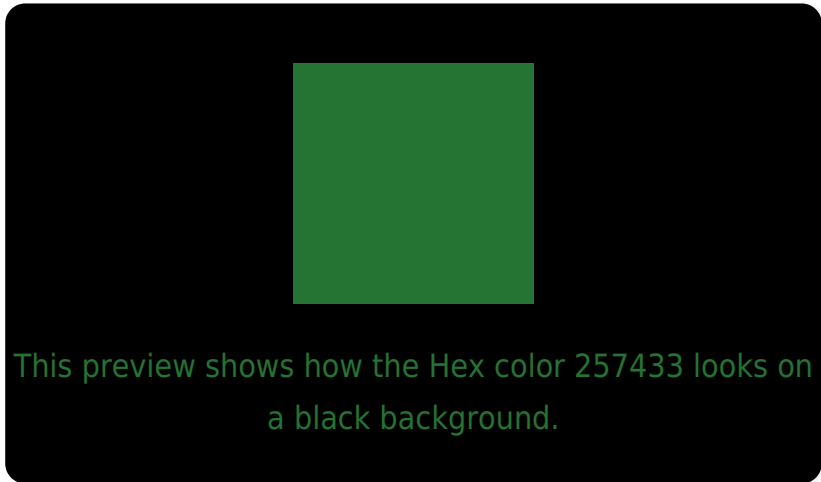
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

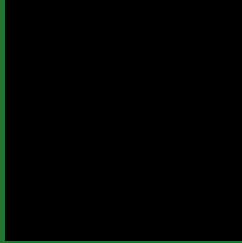
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 257433 Background



This preview shows how black text looks on a background with the Hex color 257433.



This preview shows how white text looks on a background with the Hex color 257433.

# 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**  
257433

**Protanopia**  
70652E

**Deuteranopia**  
7B6038



**Tritanopia**  
396D76

# Trichromacy



**Original Color**  
257433

**Protanomaly**  
556A30

**Deuteranomaly**  
5C6736

**Tritanomaly**  
32705E

# Monochromacy



**Original Color**  
257433

**Achromatopsia**  
555555

**Achromatomaly**  
446049

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 257433 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 #257433 looks like.

```
.text, #text, p{  
    color:#257433  
}
```

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 #257433 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #257433
}
```

## Border

The CSS property to change the border of an element to Hex 257433 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
#257433 }
```

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

```
.border{ border-color:#257433 }
```

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

Here you see how a box with a 4 pixel #257433 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #257433; -webkit-box-shadow:4px 4px  
4px 4px #257433; box-shadow:4px 4px 4px  
4px #257433 }
```

# Background

The CSS property to change the background color of an element to Hex 257433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#257433 }
```

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

```
.background{ background-color:#257433 }
```

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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