

# Converting Colors

Hex(23742C)

Have a look what the booklet for  
Hex(23742C) contains.

<b>Hex(23742C)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(23742C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23742C
RGB	35, 116, 44
RGB Percent	14%, 45%, 17%
CMY	0.8627, 0.5451, 0.8275
CMYK	0.70, 0.00, 0.62, 0.55
HSL	127°, 54%, 30%
HSV	127°, 70%, 45%
XYZ	7.3932, 13.0300, 4.5082
YIQ	83.5730, -25.1640, -39.5640

# Conversions

## Conversions Part 2

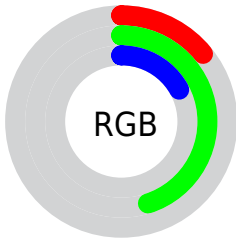
Format	Color
<b>RYB</b>	35, 108, 116
Decimal	2323500
CIELab	42.81, -40.05, 32.20
CIElCh	43, 51.390, 141.197
Yxy	13.0300, 0.2965, 0.5226
Android (android.graphics.Color)	4280513580 (0xFF23742C)
YUV	83.5730, -19.5095, -42.5985
Hunter-Lab	36.0970, -26.6106, 17.8630

# Details

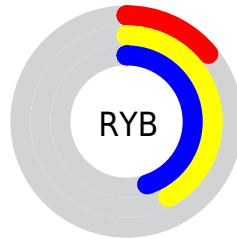
The Hex color **23742C** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **74236B**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **5BA95C**, and **004200** is the 20% darker color. If you saturate the color by 10%, you get **177422**, and if you desaturate by 10%, it is **2F7436**.

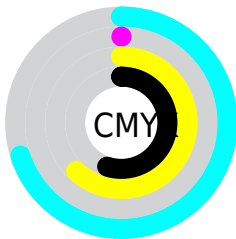
# Distribution



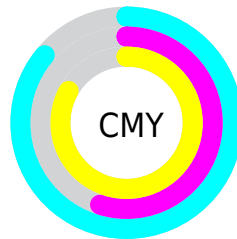
- Red (14%)
- Green (45%)
- Blue (17%)



- Red (14%)
- Yellow (42%)
- Blue (45%)



- Cyan (70%)
- Magenta (0%)
- Yellow (62%)
- Black (55%)



- Cyan (86%)
- Magenta (55%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 23742C 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 23742C by changing the saturation by 10% instead.



 23742C

 23742C

FFFFFF

 005B14

 5BA95C

 004200

 76C476

 002C00

 92E190

 001200

 AEFEAB

 000000

 CAFFC6

 E7FFE2

 23742C

 23742C

 177422

 2F7436

■ 0C7417

■ 3A7441

■ 00740D

■ 46744B

■ 517455

■ 5D7460

■ 69746A

■ 747474

■ 80747E

■ 8B7489

# Harmonies

## Analogous

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



5D6C03



23742C



007857

# Triad

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



23742C



006EB9



B03C49

# Complementary

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



23742C



74236B

# 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.



AB3B73



23742C



4B5FB5

# Square

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



23742C



0076A7



8C4C9B



A14D23

# Rectangle

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



23742C



007974



8C4C9B



B13A57



# Sweetspot

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



23742C



77967A



6C7423



394D3C



CCCCCC



4D4D4D



# Same Dimension

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



23742C



189626



237454



353B35



007A0E



00FA1C



# Inverse Universe

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



74236B



961888



742343



3B353A



7A006D



FA00DE



# Previews

## White Background



This preview shows how the Hex color 23742C looks on a white background.

## Color Contrast Check

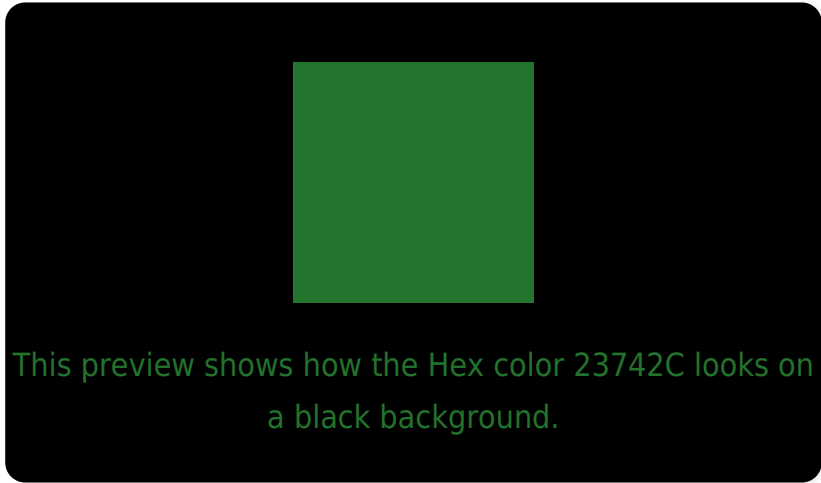
Large Text (above 18pt) WCAG AA ✓ Pass

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

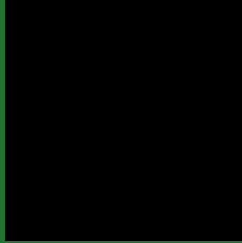
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 23742C Background



This preview shows how black text looks on a background with the Hex color 23742C.



This preview shows how white text looks on a background with the Hex color 23742C.

# 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**  
23742C

**Protanopia**  
706528

**Deuteranopia**  
7C6032



**Tritanopia**  
386D75

# Trichromacy



**Original Color**  
23742C

**Protanomaly**  
546A29

**Deuteranomaly**  
5C6730

**Tritanomaly**  
30705A

# Monochromacy



**Original Color**  
23742C

**Achromatopsia**  
545454

**Achromatomaly**  
426045

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 23742C 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 #23742C looks like.

```
.text, #text, p{  
    color:#23742C  
}
```

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 #23742C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23742C
}
```

## Border

The CSS property to change the border of an element to Hex 23742C 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
#23742C }
```

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

```
.border{ border-color:#23742C }
```

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

Here you see how a box with a 4 pixel #23742C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #23742C; -webkit-box-shadow:4px 4px  
4px 4px #23742C; box-shadow:4px 4px 4px  
4px #23742C }
```

# Background

The CSS property to change the background color of an element to Hex 23742C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23742C }
```

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

```
.background{ background-color:#23742C }
```

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