

# Converting Colors

Hex(226C36)

Have a look what the booklet for  
Hex(226C36) contains.

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# Color

Hex(226C36)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	226C36
RGB	34, 108, 54
RGB Percent	13%, 42%, 21%
CMY	0.8667, 0.5765, 0.7882
CMYK	0.69, 0.00, 0.50, 0.58
HSL	136°, 52%, 28%
HSV	136°, 69%, 42%
XYZ	6.6881, 11.3315, 5.3247
YIQ	79.7180, -26.7700, -32.4820

# Conversions

## Conversions Part 2

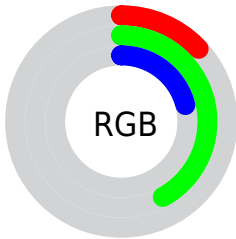
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 92, 108
Decimal	2255926
CIELab	40.13, -35.53, 23.64
CIElCh	40, 42.679, 146.359
Yxy	11.3315, 0.2865, 0.4854
Android (android.graphics.Color)	4280446006 (0xFF226C36)
YUV	79.7180, -12.6790, -40.0947
Hunter-Lab	33.6624, -23.4444, 14.1851

# Details

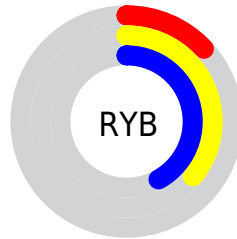
The Hex color **226C36** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6C2258**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **58A066**, and **003B09** is the 20% darker color. If you saturate the color by 10%, you get **176C2E**, and if you desaturate by 10%, it is **2D6C3E**.

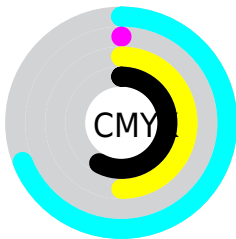
# Distribution



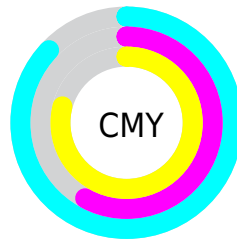
- Red (13%)
- Green (42%)
- Blue (21%)



- Red (13%)
- Yellow (36%)
- Blue (42%)



- Cyan (69%)
- Magenta (0%)
- Yellow (50%)
- Black (58%)



- Cyan (87%)
- Magenta (58%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 226C36 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 226C36 by changing the saturation by 10% instead.



 226C36

 226C36

FFFFFF

 005320

 58A066

 003B09

 73BC7F

 002600

 8ED899

 000100

 A9F4B4

 000000

 C6FFD0

 E2FFEC

 226C36

 226C36

 176C2E

 2D6C3E

■ 0C6C26

■ 386C46

■ 026C1E

■ 426C4E

■ 006C1D

■ 4D6C56

■ 586C5D

■ 636C65

■ 6E6C6D

■ 786C75

■ 836C7D

# Harmonies

## Analogous

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



53661A



226C36



006F59

# Triad

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



226C36



0064A4



9D4142

# Complementary

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



226C36



6C2258

# 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.



9B3E64



226C36



57579D

# Square

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



226C36



006C98



854886



8E4E24

# Rectangle

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



226C36



006F71



854886



9E3F4D



# Sweetspot

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



226C36



6F8C77



586C22



36473A



C7C7C7



474747



# Same Dimension

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



226C36



198C38



226C5B



303632



007520



00F542



# Inverse Universe

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



6C2258



8C196D



6C2233



363034



750056

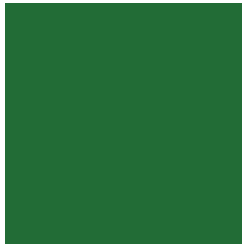


F500B3



# Previews

## White Background



This preview shows how the Hex color 226C36 looks on a white background.

## Color Contrast Check

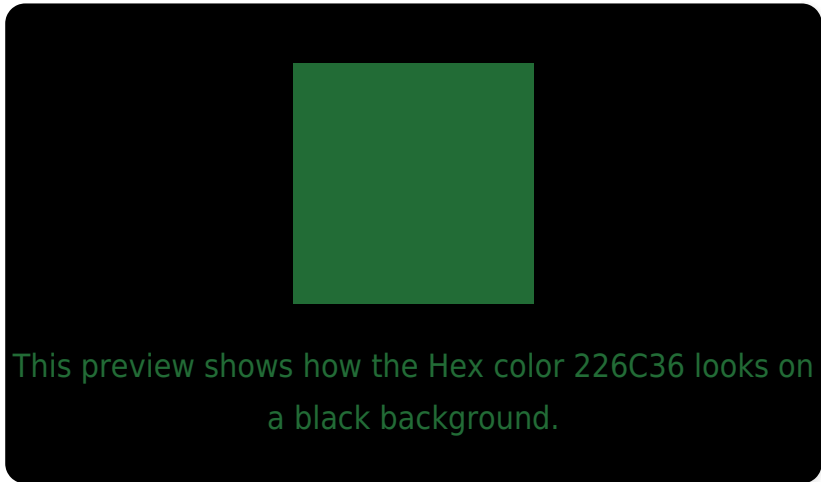
Large Text (above 18pt) WCAG AA ✓ Pass

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

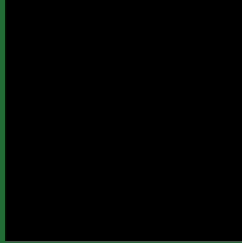
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 226C36 Background



This preview shows how black text looks on a background with the Hex color 226C36.



This preview shows how white text looks on a background with the Hex color 226C36.

# 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**  
226C36

**Protanopia**  
685E31

**Deuteranopia**  
725A3B



**Tritanopia**  
34666E

# Trichromacy



**Original Color**  
226C36



**Protanomaly**  
4F6333



**Deuteranomaly**  
556139



**Tritanomaly**  
2D685A

# Monochromacy



**Original Color**  
226C36



**Achromatopsia**  
505050



**Achromatomaly**  
3F5A47

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 226C36 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 #226C36 looks like.

```
.text, #text, p{  
    color:#226C36  
}
```

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 #226C36 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #226C36
}
```

## Border

The CSS property to change the border of an element to Hex 226C36 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
#226C36 }
```

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

```
.border{ border-color:#226C36 }
```

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

Here you see how a box with a 4 pixel #226C36 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #226C36; -webkit-box-shadow:4px 4px  
4px 4px #226C36; box-shadow:4px 4px 4px  
4px #226C36 }
```

# Background

The CSS property to change the background color of an element to Hex 226C36 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#226C36 }
```

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

```
.background{ background-color:#226C36 }
```

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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