

Converting Colors

Hex(226B45)

Have a look what the booklet for
Hex(226B45) contains.

Hex(226B45)	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(226B45)

Conversions

Conversions Part 1

Format	Color
Hex	226B45
RGB	34, 107, 69
RGB Percent	13%, 42%, 27%
CMY	0.8667, 0.5804, 0.7294
CMYK	0.68, 0.00, 0.36, 0.58
HSL	149°, 52%, 28%
HSV	149°, 68%, 42%
XYZ	6.9916, 11.2851, 7.4400
YIQ	80.8410, -31.3100, -27.2940

Conversions

Conversions Part 2

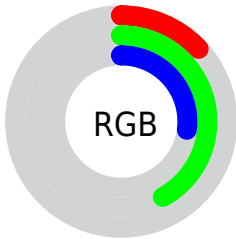
Format	Color
RYB	34, 83, 107
Decimal	2255685
CIELab	40.06, -32.12, 14.88
CIELCh	40, 35.405, 155.140
Yxy	11.2851, 0.2719, 0.4388
Android (android.graphics.Color)	4280445765 (0xFF226B45)
YUV	80.8410, -5.8376, -41.0796
Hunter-Lab	33.5934, -21.6384, 10.3843

Details

The Hex color **226B45** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6B2248**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **589F75**, and **003B19** is the 20% darker color. If you saturate the color by 10%, you get **176B3F**, and if you desaturate by 10%, it is **2D6B4B**.

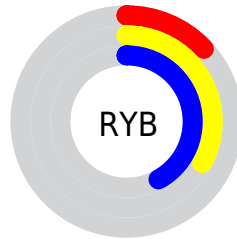
Distribution



Red (13%)

Green (42%)

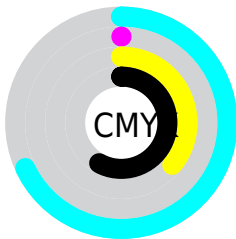
Blue (27%)



Red (13%)

Yellow (33%)

Blue (42%)

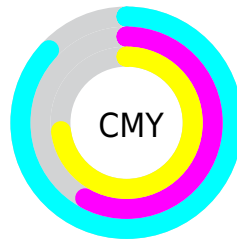


Cyan (68%)

Magenta (0%)

Yellow (36%)

Black (58%)



Cyan (87%)

Magenta (58%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color 226B45 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 226B45 by changing the saturation by 10% instead.

 226B45

 226B45

FFFFFF

 00522E

 589F75

 003B19

 72BA8F

 002500

 8DD6AA

 000000


 A9F3C5

 C5FFE1

 E1FFFE

 226B45

 226B45

 176B3F

 2D6B4B

■ 0D6B3A

■ 376B50

■ 026B34

■ 426B56

■ 006B33

■ 4D6B5B

■ 586B61

■ 626B66

■ 6D6B6C

■ 786B72

■ 826B77

Harmonies

Analogous

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



4C662D



226B45



006D63

Triad

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



226B45



326098



914A3F

Complementary

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



226B45



6B2248

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.



94455B



226B45



67558E

Square

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



226B45



006892



864A77



82542A

Rectangle

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



226B45



006D76



864A77



944747

Sweetspot

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



226B45



708C7E



496B22



36473E



C7C7C7



474747

Same Dimension

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



226B45



198C50



226B69



303633



007538



00F575

Inverse Universe

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



6B2248



8C1955



6B2224



363033



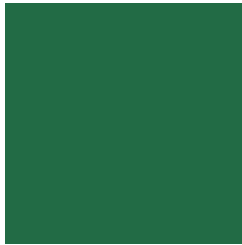
75003D



F5007F

Previews

White Background



This preview shows how the Hex color 226B45 looks on a white background.

Color Contrast Check

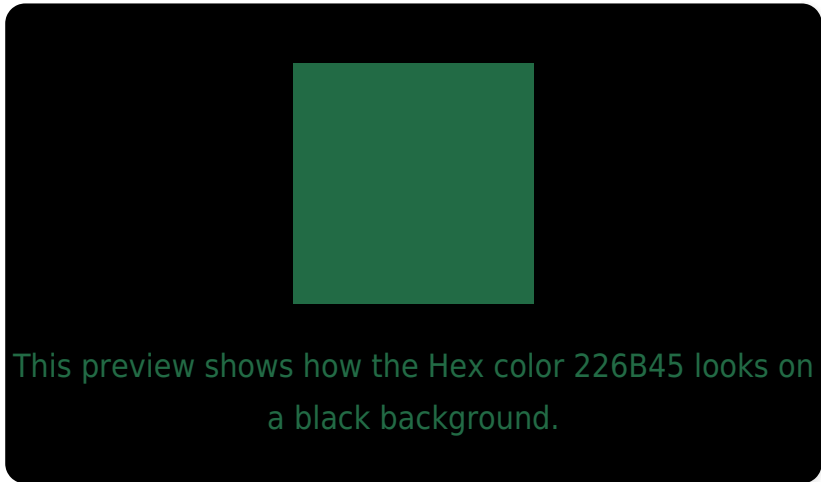
Large Text (above 18pt) WCAG AA ✓ Pass

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

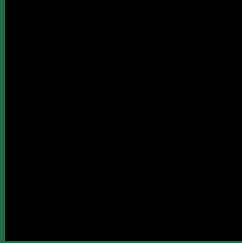
Any Text WCAG AA × Fail

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 226B45 Background



This preview shows how black text looks on a background with the Hex color 226B45.



This preview shows how white text looks on a background with the Hex color 226B45.

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
226B45

Protanopia
665E3F

Deuteranopia
6E5A49



Tritanopia
31666E

Trichromacy



Original Color
226B45

Protanomaly
4D6341

Deuteranomaly
526048

Tritanomaly
2C685F

Monochromacy



Original Color
226B45

Achromatopsia
515151

Achromatomaly
405A4D

CSS Examples

Text

The CSS property to change the color of the text to Hex 226B45 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 #226B45 looks like.

```
.text, #text, p{  
    color:#226B45  
}
```

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 #226B45 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #226B45
}
```

Border

The CSS property to change the border of an element to Hex 226B45 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
#226B45 }
```

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

```
.border{ border-color:#226B45 }
```

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

Here you see how a box with a 4 pixel #226B45 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #226B45; -webkit-box-shadow:4px 4px  
4px 4px #226B45; box-shadow:4px 4px 4px  
4px #226B45 }
```

Background

The CSS property to change the background color of an element to Hex 226B45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#226B45 }
```

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

```
.background{ background-color:#226B45 }
```

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