

Converting Colors

Hex(2A6A50)

Have a look what the booklet for
Hex(2A6A50) contains.

Hex(2A6A50)	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(2A6A50)

Conversions

Conversions Part 1

Format	Color
Hex	2A6A50
RGB	42, 106, 80
RGB Percent	16%, 42%, 31%
CMY	0.8353, 0.5843, 0.6863
CMYK	0.60, 0.00, 0.25, 0.58
HSL	156°, 43%, 29%
HSV	156°, 60%, 42%
XYZ	7.5568, 11.3795, 9.3876
YIQ	83.9000, -29.7980, -21.6540

Conversions

Conversions Part 2

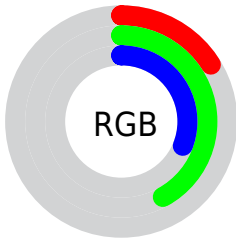
Format	Color
RYB	42, 82, 106
Decimal	2779728
CIELab	40.21, -27.30, 8.56
CIELCh	40, 28.607, 162.581
Yxy	11.3795, 0.2668, 0.4018
Android (android.graphics.Color)	4280969808 (0xFF2A6A50)
YUV	83.9000, -1.9227, -36.7463
Hunter-Lab	33.7335, -19.0468, 7.1138

Details

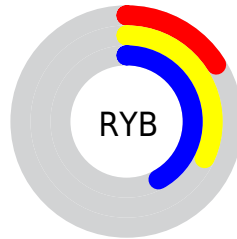
The Hex color **2A6A50** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6A2A44**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **5E9E81**, and **003A23** is the 20% darker color. If you saturate the color by 10%, you get **1F6A4C**, and if you desaturate by 10%, it is **356A54**.

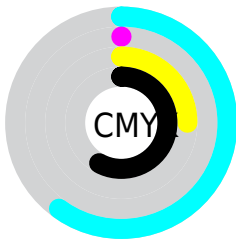
Distribution



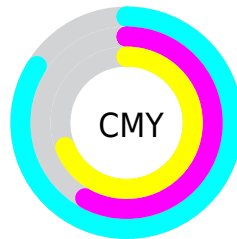
- Red (16%)
- Green (42%)
- Blue (31%)



- Red (16%)
- Yellow (32%)
- Blue (42%)



- Cyan (60%)
- Magenta (0%)
- Yellow (25%)
- Black (58%)



- Cyan (84%)
- Magenta (58%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A6A50 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 2A6A50 by changing the saturation by 10% instead.

 2A6A50

 2A6A50

FFFFFF

 0C5139

 5E9E81

 003A23

 78B99B

 00240E

 93D5B6

 000100

 AEF1D2

 000000

 CAFFEE

 E7FFFF

 2A6A50

 2A6A50

 1F6A4C

 356A54

■ 156A47

■ 3F6A59

■ 0A6A43

■ 4A6A5D

■ 006A3F

■ 546A61

■ 5F6A66

■ 6A6A6A

■ 746A6E

■ 7F6A72

■ 896A77

Harmonies

Analogous

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



4A673B



2A6A50



006B68

Triad

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



2A6A50



4B5E8C



875140

Complementary

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



2A6A50



6A2A44

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.



8C4C56



2A6A50



6E5581

Square

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



2A6A50



19658B



834E6D



795932

Rectangle

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



2A6A50



006A77



834E6D



8A4F47

Sweetspot

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



2A6A50



718A80



456A2A



36453F



C4C4C4



454545

Same Dimension

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



2A6A50



278A61



2A656A



303633



007546



00F591

Inverse Universe

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



6A2A44



8A274F



6A2F2A



363032



750030



F50063

Previews

White Background



This preview shows how the Hex color 2A6A50 looks on a white background.

Color Contrast Check

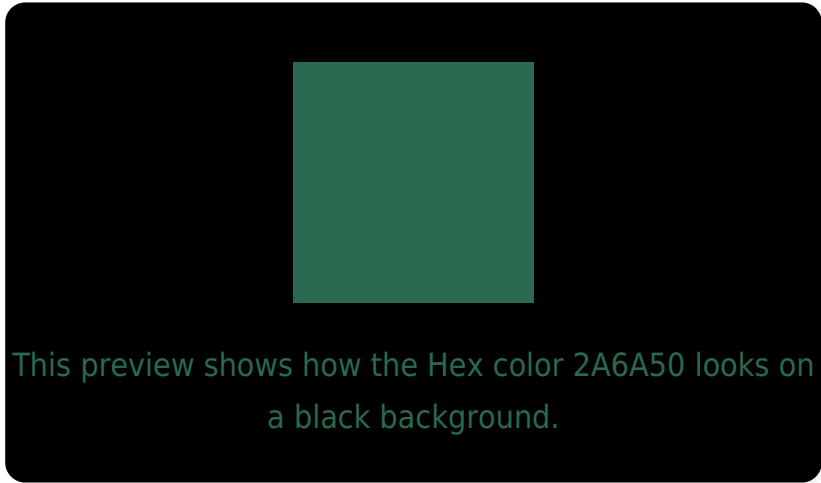
Large Text (above 18pt) WCAG AA ✓ Pass

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

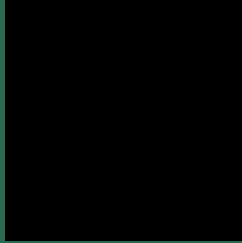
Any Text WCAG AA × Fail

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 2A6A50 Background



This preview shows how black text looks on a background with the Hex color 2A6A50.



This preview shows how white text looks on a background with the Hex color 2A6A50.

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
2A6A50

Protanopia
645E4A

Deuteranopia
6B5B53



Tritanopia
34666E

Trichromacy



Original Color
2A6A50

Protanomaly
4F624C

Deuteranomaly
536052

Tritanomaly
306763

Monochromacy



Original Color
2A6A50

Achromatopsia
545454

Achromatomaly
455C53

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A6A50 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 #2A6A50 looks like.

```
.text, #text, p{  
    color:#2A6A50  
}
```

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 #2A6A50 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A6A50
}
```

Border

The CSS property to change the border of an element to Hex 2A6A50 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
#2A6A50 }
```

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

```
.border{ border-color:#2A6A50 }
```

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

Here you see how a box with a 4 pixel #2A6A50 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A6A50; -webkit-box-shadow:4px 4px  
4px 4px #2A6A50; box-shadow:4px 4px 4px  
4px #2A6A50 }
```

Background

The CSS property to change the background color of an element to Hex 2A6A50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A6A50 }
```

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

```
.background{ background-color:#2A6A50 }
```

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