

# Converting Colors

Hex(46A56A)

Have a look what the booklet for  
Hex(46A56A) contains.

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# Color

Hex(46A56A)

# Conversions

## Conversions Part 1

Format	Color
Hex	46A56A
RGB	70, 165, 106
RGB Percent	27%, 65%, 42%
CMY	0.7255, 0.3529, 0.5843
CMYK	0.58, 0.00, 0.36, 0.35
HSL	143°, 40%, 46%
HSV	143°, 58%, 65%
XYZ	18.5824, 29.2530, 18.3027
YIQ	129.8690, -37.6810, -38.4890

# Conversions

## Conversions Part 2

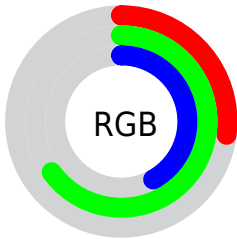
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 139, 165
Decimal	4629866
CIELab	61.00, -41.72, 22.39
CIElCh	61, 47.346, 151.780
Yxy	29.2530, 0.2810, 0.4423
Android (android.graphics.Color)	4282819946 (0xFF46A56A)
YUV	129.8690, -11.7674, -52.5051
Hunter-Lab	54.0860, -33.3229, 17.7965

# Details

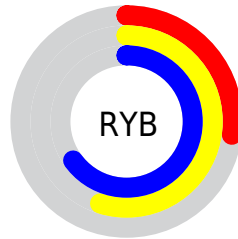
The Hex color **46A56A** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **A54681**, and the grayscale version is **828282**.

A 20% lighter version of the original color is **7EDD9E**, and **00703A** is the 20% darker color. If you saturate the color by 10%, you get **36A560**, and if you desaturate by 10%, it is **56A574**.

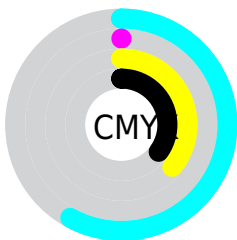
# Distribution



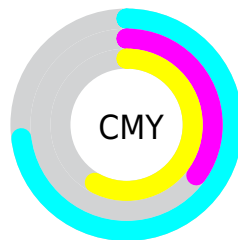
- Red (27%)
- Green (65%)
- Blue (42%)



- Red (27%)
- Yellow (55%)
- Blue (65%)



- Cyan (58%)
- Magenta (0%)
- Yellow (36%)
- Black (35%)



- Cyan (73%)
- Magenta (35%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46A56A 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 46A56A by changing the saturation by 10% instead.





46A56A



46A56A

FFFFFF



278A51



7EDD9E



00703A



9AFAB9



005723



B6FFD5



003F0E



D3FFF1



002900



F1FFFF



000700



000000



46A56A



46A56A



36A560



56A574

 25A556

 67A57E

 15A54B

 78A589

 04A541

 88A593

 00A53F

 99A59D

 A9A5A7

 BAA5B2

 CAA5BC

 DAA5C6

# Harmonies

## Analogous

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



7E9E49



46A56A



00A894

# Triad

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



46A56A



4997E7



DF7469

# Complementary

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



46A56A



A54681

# 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.



DF6F92



46A56A



9987DA

# Square

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



46A56A



00A2DC



C977BB



CB834A

# Rectangle

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



46A56A



00A8B1



C977BB



E17176



# Sweetspot

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



46A56A



B2D6C0



82A546



566B5E



EBEBEB



6B6B6B



# Same Dimension

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



46A56A



42D67A



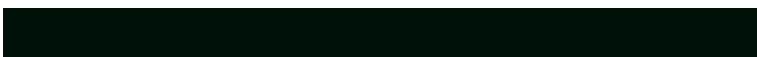
46A598



49524D



009137



001207



# Inverse Universe

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



A54681



D6429E



A54653



52494F



91005A



12000B



# Previews

## White Background



This preview shows how the Hex color 46A56A looks on a white background.

## Color Contrast Check

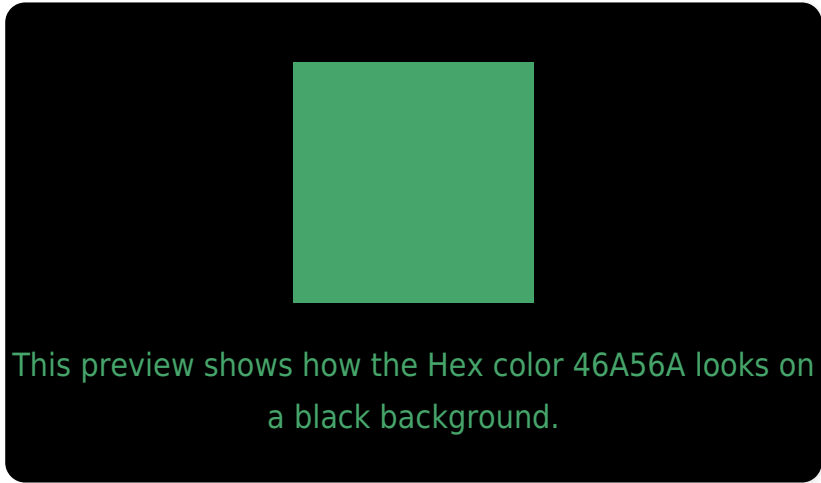
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex 46A56A Background



This preview shows how black text looks on a background with the Hex color 46A56A.

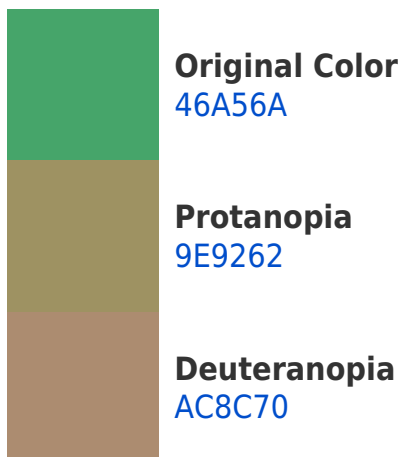


This preview shows how white text looks on a background with the Hex color 46A56A.

# 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





# Trichromacy



**Original Color**  
46A56A



**Protanomaly**  
7E9965



**Deuteranomaly**  
87956E



**Tritanomaly**  
51A093

# Monochromacy



**Original Color**  
46A56A



**Achromatopsia**  
828282



**Achromatomaly**  
6C8F79

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46A56A 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 #46A56A looks like.

```
.text, #text, p{  
    color:#46A56A  
}
```

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 #46A56A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46A56A
}
```

## Border

The CSS property to change the border of an element to Hex 46A56A 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
#46A56A }
```

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

```
.border{ border-color:#46A56A }
```

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

Here you see how a box with a 4 pixel #46A56A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46A56A; -webkit-box-shadow:4px 4px  
4px 4px #46A56A; box-shadow:4px 4px 4px  
4px #46A56A }
```

# Background

The CSS property to change the background color of an element to Hex 46A56A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46A56A }
```

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

```
.background{ background-color:#46A56A }
```

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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