

# Converting Colors

Hex(46822A)

Have a look what the booklet for  
Hex(46822A) contains.

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**Color**

**Hex(46822A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	46822A
RGB	70, 130, 42
RGB Percent	27%, 51%, 16%
CMY	0.7255, 0.4902, 0.8353
CMYK	0.46, 0.00, 0.68, 0.49
HSL	101°, 51%, 34%
HSV	101°, 68%, 51%
XYZ	10.9263, 17.4345, 4.9798
YIQ	102.0280, -7.5120, -40.0880

# Conversions

## Conversions Part 2

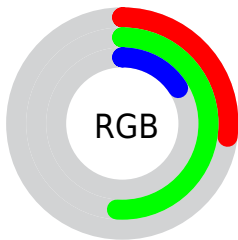
Format	Color
<a href="#">RYB</a>	<a href="#">42, 130, 102</a>
Decimal	<a href="#">4620842</a>
CIELab	<a href="#">48.80, -36.21, 40.21</a>
CIElCh	<a href="#">49, 54.105, 132.003</a>
Yxy	<a href="#">17.4345, 0.3277, 0.5229</a>
Android (android.graphics.Color)	<a href="#">4282810922 (0xFF46822A)</a>
YUV	<a href="#">102.0280, -29.5938, -28.0886</a>
Hunter-Lab	<a href="#">41.7547, -26.3609, 22.1571</a>

# Details

The Hex color **46822A** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **662A82**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **7BB85C**, and **0B5000** is the 20% darker color. If you saturate the color by 10%, you get **3D821D**, and if you desaturate by 10%, it is **4F8237**.

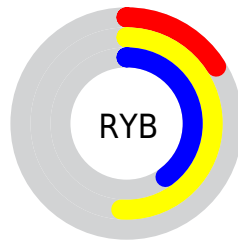
# Distribution



Red (27%)

Green (51%)

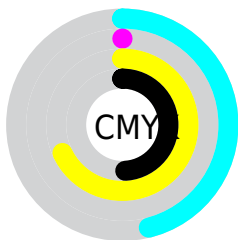
Blue (16%)



Red (16%)

Yellow (51%)

Blue (40%)

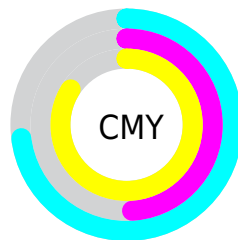


Cyan (46%)

Magenta (0%)

Yellow (68%)

Black (49%)



Cyan (73%)

Magenta (49%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46822A 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 46822A by changing the saturation by 10% instead.





46822A



46822A

FFFFFF



2B680F



7BB85C



0B5000



96D376



003800



B2F090



002400



CFFFAB



000000



EBFFC7



FFFFE3



46822A



46822A



3D821D



4F8237

■ 348210

■ 588244

■ 2B8203

■ 618251

■ 298200

■ 69825E

■ 72826B

■ 7B8278

■ 848285

■ 8D8292

■ 96829F

# Harmonies

## Analogous

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



797806



46822A



008856

# Triad

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



46822A



0081CB



C64763

# Complementary

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



46822A



662A82

# 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.



B84C91



46822A



3373CE

# Square

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



46822A



0088B0



8D5FB9



BD5438

# Rectangle

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



46822A



008976



8D5FB9



C54673



# Sweetspot

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



46822A



91A887



82652A



465440



D4D4D4



545454



# Same Dimension

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



46822A



4BA820



2A8239



3B4039



298000



000000



# Inverse Universe

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



662A82



7D20A8



822A73



3E3940



570080



000000



# Previews

## White Background



This preview shows how the Hex color 46822A looks on a white background.

## Color Contrast Check

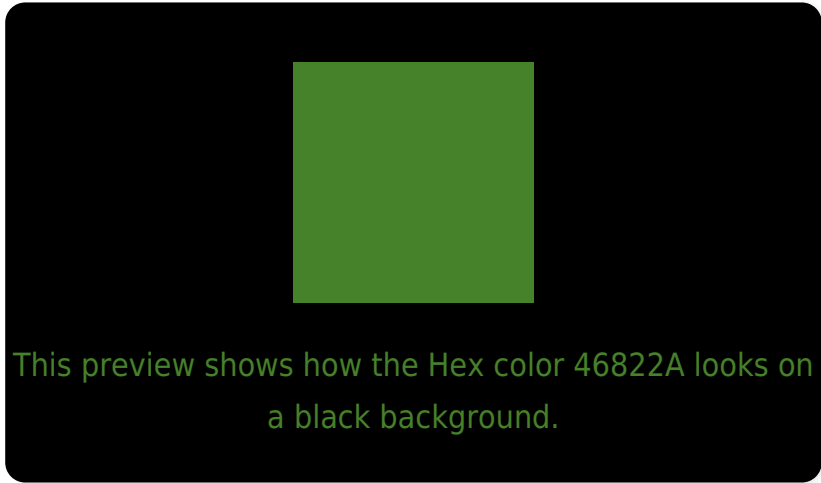
Large Text (above 18pt) WCAG AA ✓ Pass

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 46822A Background



This preview shows how black text looks on a background with the Hex color 46822A.



This preview shows how white text looks on a background with the Hex color 46822A.

# 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**  
46822A

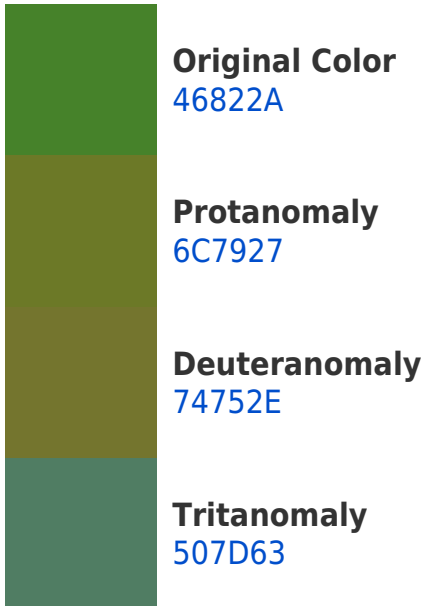
**Protanopia**  
817426

**Deuteranopia**  
8F6E31



**Tritanopia**  
557A83

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46822A 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 #46822A looks like.

```
.text, #text, p{  
    color:#46822A  
}
```

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 #46822A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46822A
}
```

## Border

The CSS property to change the border of an element to Hex 46822A 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
#46822A }
```

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

```
.border{ border-color:#46822A }
```

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

Here you see how a box with a 4 pixel #46822A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46822A; -webkit-box-shadow:4px 4px  
4px 4px #46822A; box-shadow:4px 4px 4px  
4px #46822A }
```

# Background

The CSS property to change the background color of an element to Hex 46822A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46822A }
```

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

```
.background{ background-color:#46822A }
```

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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