

# Converting Colors

Hex(44A868)

Have a look what the booklet for  
Hex(44A868) contains.

<b>Hex(44A868)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(44A868)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44A868
RGB	68, 168, 104
RGB Percent	27%, 66%, 41%
CMY	0.7333, 0.3412, 0.5922
CMYK	0.60, 0.00, 0.38, 0.34
HSL	142°, 42%, 46%
HSV	142°, 60%, 66%
XYZ	18.8852, 30.2337, 17.9370
YIQ	130.8040, -39.0560, -41.1040

# Conversions

## Conversions Part 2

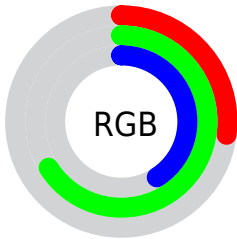
Format	Color
<a href="#">RYB</a>	<a href="#">68, 142, 168</a>
Decimal	<a href="#">4499560</a>
CIELab	<a href="#">61.86, -43.82, 24.60</a>
CIELCh	<a href="#">62, 50.250, 150.695</a>
Yxy	<a href="#">30.2337, 0.2816, 0.4509</a>
Android (android.graphics.Color)	<a href="#">4282689640 (0xFF44A868)</a>
YUV	<a href="#">130.8040, -13.2144, -55.0791</a>
Hunter-Lab	<a href="#">54.9852, -34.9164, 19.1483</a>

# Details

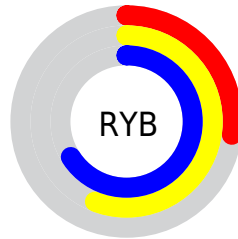
The Hex color **44A868** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **A84484**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **7DE09C**, and **007338** is the 20% darker color. If you saturate the color by 10%, you get **33A85D**, and if you desaturate by 10%, it is **55A873**.

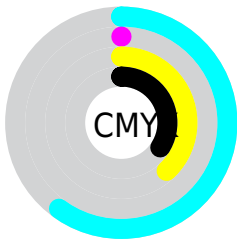
# Distribution



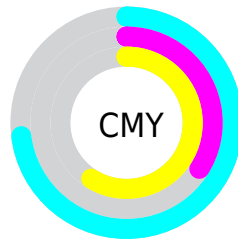
- Red (27%)
- Green (66%)
- Blue (41%)



- Red (27%)
- Yellow (56%)
- Blue (66%)



- Cyan (60%)
- Magenta (0%)
- Yellow (38%)
- Black (34%)



- Cyan (73%)
- Magenta (34%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 44A868 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 44A868 by changing the saturation by 10% instead.





44A868



44A868

FFFFFF



248D4F



7DE09C



007338



99FDB7



005A21



B6FFD3



00410B



D3FFEF



002B00



F0FFFF



000D00



000000



44A868



44A868



33A85D



55A873

 22A852

 66A87E

 12A848

 76A888

 01A83D

 87A893

 00A83C

 98A89E

 A9A8A9

 BAA8B3

 CAA8BE

 DBA8C9

# Harmonies

## Analogous

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



80A045



44A868



00AB95

# Triad

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



44A868



3C9AEE



E6746A

# Complementary

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



44A868



A84484

# 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.



E66F96



44A868



9989E2

# Square

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



44A868



00A5E2



CD78C2



D18348

# Rectangle

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



44A868



00ACB4



CD78C2



E87078



# Sweetspot

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



44A868



B4DBC2



85A844



566E5E



EDEDED



6E6E6E



# Same Dimension

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



44A868



40DB78



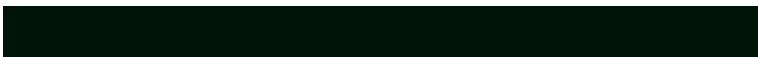
44A899



4C544F



009435



001407



# Inverse Universe

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



A84484



DB40A3



A84453



544C51



94005F



14000D



# Previews

## White Background



This preview shows how the Hex color 44A868 looks on a white background.

## Color Contrast Check

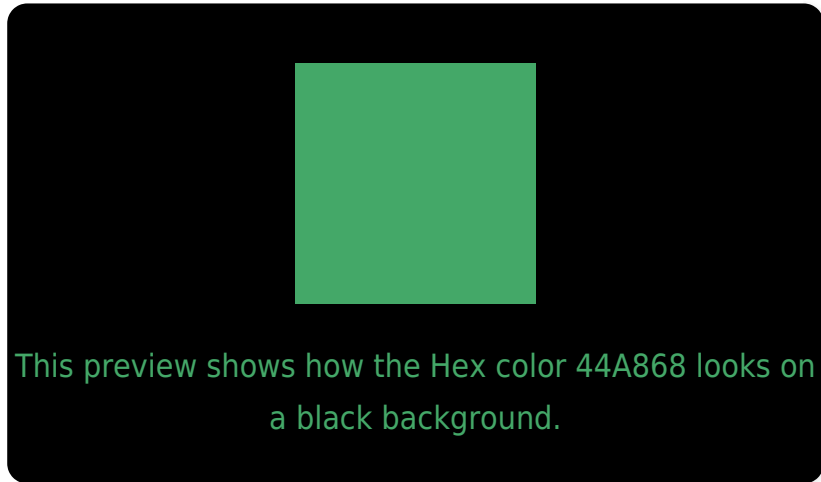
Large Text (above 18pt) WCAG AA × Fail

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

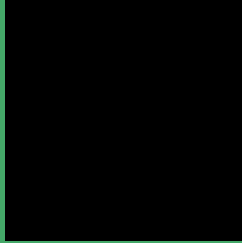
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 44A868 Background



This preview shows how black text looks on a background with the Hex color 44A868.



This preview shows how white text looks on a background with the Hex color 44A868.

# 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





**Tritanopia**  
58A0AD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 44A868 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 #44A868 looks like.

```
.text, #text, p{  
    color:#44A868  
}
```

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 #44A868 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #44A868
}
```

## Border

The CSS property to change the border of an element to Hex 44A868 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
#44A868 }
```

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

```
.border{ border-color:#44A868 }
```

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

Here you see how a box with a 4 pixel #44A868 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #44A868; -webkit-box-shadow:4px 4px  
4px 4px #44A868; box-shadow:4px 4px 4px  
4px #44A868 }
```

# Background

The CSS property to change the background color of an element to Hex 44A868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#44A868 }
```

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

```
.background{ background-color:#44A868 }
```

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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