

# Converting Colors

Hex(4E8745)

Have a look what the booklet for  
Hex(4E8745) contains.

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# Color

Hex(4E8745)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4E8745
RGB	78, 135, 69
RGB Percent	31%, 53%, 27%
CMY	0.6941, 0.4706, 0.7294
CMYK	0.42, 0.00, 0.49, 0.47
HSL	112°, 32%, 40%
HSV	112°, 49%, 53%
XYZ	12.8800, 19.3773, 8.6916
YIQ	110.4330, -12.7860, -32.6100

# Conversions

## Conversions Part 2

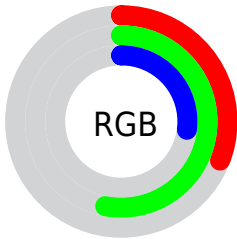
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 135, 126
Decimal	5146437
CIELab	51.13, -32.51, 29.62
CIELCh	51, 43.983, 137.668
Yxy	19.3773, 0.3145, 0.4732
Android (android.graphics.Color)	4283336517 (0xFF4E8745)
YUV	110.4330, -20.4265, -28.4437
Hunter-Lab	44.0197, -24.8058, 19.1071

# Details

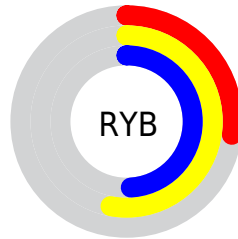
The Hex color **4E8745** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **7E4587**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **82BD77**, and **195516** is the 20% darker color. If you saturate the color by 10%, you get **428738**, and if you desaturate by 10%, it is **5A8752**.

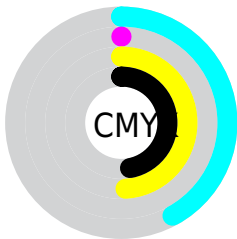
# Distribution



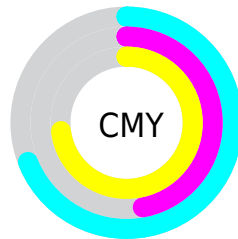
- Red (31%)
- Green (53%)
- Blue (27%)



- Red (27%)
- Yellow (53%)
- Blue (49%)



- Cyan (42%)
- Magenta (0%)
- Yellow (49%)
- Black (47%)



- Cyan (69%)
- Magenta (47%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4E8745 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 4E8745 by changing the saturation by 10% instead.





4E8745



4E8745

FFFFFF



346D2D



82BD77



195516



9DD991



003D00



B9F5AB



002700



D5FFC7



000800



F2FFE3



000000



4E8745



4E8745



428738



5A8752



37872A



658760

 2B871D

 71876E

 1F870F

 7D877B

 148702

 888789

 128700

 948796

 A087A3

 AB87B1

 B787BE

# Harmonies

## Analogous

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



797F2E



4E8745



008B68

# Triad

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



4E8745



0082C3



C05A65

# Complementary

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



4E8745



7E4587

# 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.



B75B8B



4E8745



6176C1

# Square

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



4E8745



008AB0



9867AD



B56444

# Rectangle

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



4E8745



008D83



9867AD



BF5972



# Sweetspot

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



4E8745



99B096



877D45



4B5949



D9D9D9



595959



# Same Dimension

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



4E8745



56B048



45875C



3D423C



128200



000300



# Inverse Universe

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



7E4587



A248B0



874570



413C42



700082



020003



# Previews

## White Background



This preview shows how the Hex color 4E8745 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 4E8745 Background



This preview shows how black text looks on a background with the Hex color 4E8745.



This preview shows how white text looks on a background with the Hex color 4E8745.

# 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**  
5B7F8A

# Trichromacy



**Original Color**  
4E8745

**Protanomaly**  
727E42

**Deuteranomaly**  
7A7B48

**Tritanomaly**  
568271

# Monochromacy



**Original Color**  
4E8745

**Achromatopsia**  
6E6E6E

**Achromatomaly**  
62775F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4E8745 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 #4E8745 looks like.

```
.text, #text, p{  
    color:#4E8745  
}
```

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 #4E8745 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4E8745
}
```

## Border

The CSS property to change the border of an element to Hex 4E8745 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
#4E8745 }
```

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

```
.border{ border-color:#4E8745 }
```

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

Here you see how a box with a 4 pixel #4E8745 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4E8745; -webkit-box-shadow:4px 4px  
4px 4px #4E8745; box-shadow:4px 4px 4px  
4px #4E8745 }
```

# Background

The CSS property to change the background color of an element to Hex 4E8745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4E8745 }
```

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

```
.background{ background-color:#4E8745 }
```

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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