

# Converting Colors

Hex(2E8552)

Have a look what the booklet for  
Hex(2E8552) contains.

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# Color

Hex(2E8552)

# Conversions

## Conversions Part 1

Format	Color
Hex	2E8552
RGB	46, 133, 82
RGB Percent	18%, 52%, 32%
CMY	0.8196, 0.4784, 0.6784
CMYK	0.65, 0.00, 0.38, 0.48
HSL	145°, 49%, 35%
HSV	145°, 65%, 52%
XYZ	11.0372, 17.9651, 10.8685
YIQ	101.1730, -35.4810, -34.3050

# Conversions

## Conversions Part 2

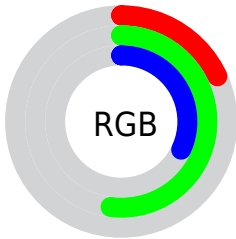
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 108, 133
Decimal	3048786
CIELab	49.45, -38.19, 20.08
CIElCh	49, 43.147, 152.271
Yxy	17.9651, 0.2768, 0.4506
Android (android.graphics.Color)	4281238866 (0xFF2E8552)
YUV	101.1730, -9.4523, -48.3867
Hunter-Lab	42.3853, -27.6923, 14.4664

# Details

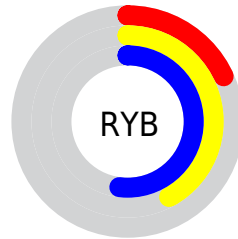
The Hex color **2E8552** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **852E61**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **66BB84**, and **005224** is the 20% darker color. If you saturate the color by 10%, you get **21854A**, and if you desaturate by 10%, it is **3B855A**.

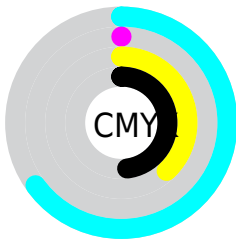
# Distribution



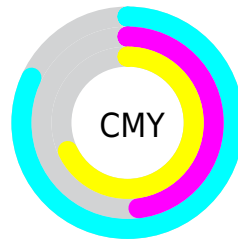
- Red (18%)
- Green (52%)
- Blue (32%)



- Red (18%)
- Yellow (42%)
- Blue (52%)



- Cyan (65%)
- Magenta (0%)
- Yellow (38%)
- Black (48%)



- Cyan (82%)
- Magenta (48%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E8552 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 2E8552 by changing the saturation by 10% instead.



 2E8552

 2E8552

FFFFFF

 086B3B

 66BB84

 005224

 81D79E

 003A0F

 9DF4B9

 002600

 B9FFD5

 000000

 D6FFF1

 F3FFFF

 2E8552

 2E8552

 21854A

 3B855A

■ 138542

■ 498562

■ 06853B

■ 568569

■ 008537

■ 638571

■ 718579

■ 7E8581

■ 8B8589

■ 988590

■ A68598

# Harmonies

## Analogous

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



627F34



2E8552



008877

# Triad

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



2E8552



3079BF



B75A51

# Complementary

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



2E8552



852E61

# 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.



B85574



2E8552



7B6BB4

# Square

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



2E8552



0082B6



A55C98



A56734

# Rectangle

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



2E8552



008890



A55C98



B9575C



# Sweetspot

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



2E8552



8BAD99



62852E



42574B



D6D6D6



575757



# Same Dimension

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



2E8552



26AD5E



2E857C



3C423E



008236



000301



# Inverse Universe

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



852E61



AD2675



852E37



423C40



82004C



030001



# Previews

## White Background



This preview shows how the Hex color 2E8552 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 ✓ Pass

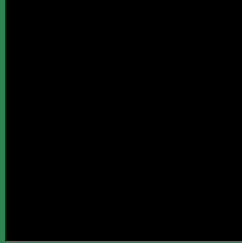
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2E8552 Background



This preview shows how black text looks on a background with the Hex color 2E8552.



This preview shows how white text looks on a background with the Hex color 2E8552.

# 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**  
2E8552

**Protanopia**  
7F754B

**Deuteranopia**  
8A7057



**Tritanopia**  
407E89

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E8552 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 #2E8552 looks like.

```
.text, #text, p{  
    color:#2E8552  
}
```

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 #2E8552 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E8552
}
```

## Border

The CSS property to change the border of an element to Hex 2E8552 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
#2E8552 }
```

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

```
.border{ border-color:#2E8552 }
```

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

Here you see how a box with a 4 pixel #2E8552 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E8552; -webkit-box-shadow:4px 4px  
4px 4px #2E8552; box-shadow:4px 4px 4px  
4px #2E8552 }
```

# Background

The CSS property to change the background color of an element to Hex 2E8552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E8552 }
```

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

```
.background{ background-color:#2E8552 }
```

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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