

# Converting Colors

Hex(2E9A40)

Have a look what the booklet for  
Hex(2E9A40) contains.

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**Color**

**Hex(2E9A40)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E9A40
RGB	46, 154, 64
RGB Percent	18%, 60%, 25%
CMY	0.8196, 0.3961, 0.7490
CMYK	0.70, 0.00, 0.58, 0.40
HSL	130°, 54%, 39%
HSV	130°, 70%, 60%
XYZ	13.6077, 24.0622, 8.7778
YIQ	111.4480, -35.4780, -50.8860

# Conversions

## Conversions Part 2

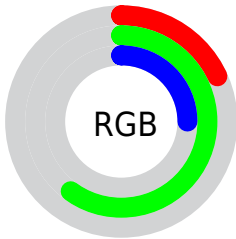
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 139, 154
Decimal	3054144
CIE <sub>Lab</sub>	56.15, -49.42, 38.00
CIE <sub>LCh</sub>	56, 62.342, 142.445
Yxy	24.0622, 0.2930, 0.5180
Android (android.graphics.Color)	4281244224 (0xFF2E9A40)
YUV	111.4480, -23.3919, -57.3979
Hunter-Lab	49.0532, -36.3260, 23.7277

# Details

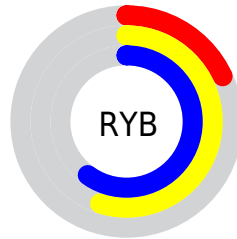
The Hex color **2E9A40** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9A2E88**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **6BD172**, and **00660D** is the 20% darker color. If you saturate the color by 10%, you get **1F9A33**, and if you desaturate by 10%, it is **3D9A4D**.

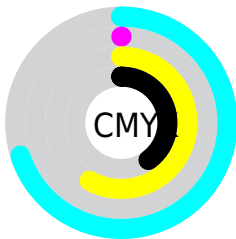
# Distribution



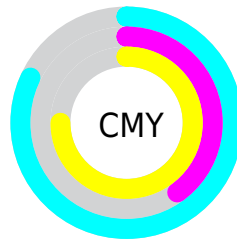
- Red (18%)
- Green (60%)
- Blue (25%)



- Red (18%)
- Yellow (55%)
- Blue (60%)



- Cyan (70%)
- Magenta (0%)
- Yellow (58%)
- Black (40%)



- Cyan (82%)
- Magenta (40%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E9A40 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 2E9A40 by changing the saturation by 10% instead.





2E9A40



2E9A40

FFFFFF



007F27



6BD172



00660D



87EE8D



004C00



A4FFA8



003500



C1FFC3



001E00



DEFFE0



000000



FCFFFD



2E9A40



2E9A40



1F9A33



3D9A4D

■ 0F9A26

■ 4D9A5A

■ 009A1A

■ 5C9A67

■ 6C9A73

■ 7B9A80

■ 8A9A8D

■ 9A9A9A

■ A99AA7

■ B99AB4

# Harmonies

## Analogous

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



7A900C



2E9A40



009F77

# Triad

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



2E9A40



0091F2



E65461

# Complementary

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



2E9A40



9A2E88

# 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.



E05197



2E9A40



6A7EEB

# Square

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



2E9A40



009CDC



BA65C9



D36930

# Rectangle

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



2E9A40



00A09C



BA65C9



E85072



# Sweetspot

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



2E9A40



9FC9A6



889A2E



4D6651



E6E6E6



666666



# Same Dimension

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



2E9A40



20C93C



2E9A76



454D46



008C17



000D02



# Inverse Universe

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



9A2E88



C920AD



9A2E52



4D454B



8C0075



0D000B



# Previews

## White Background



This preview shows how the Hex color 2E9A40 looks on a white background.

## Color Contrast Check

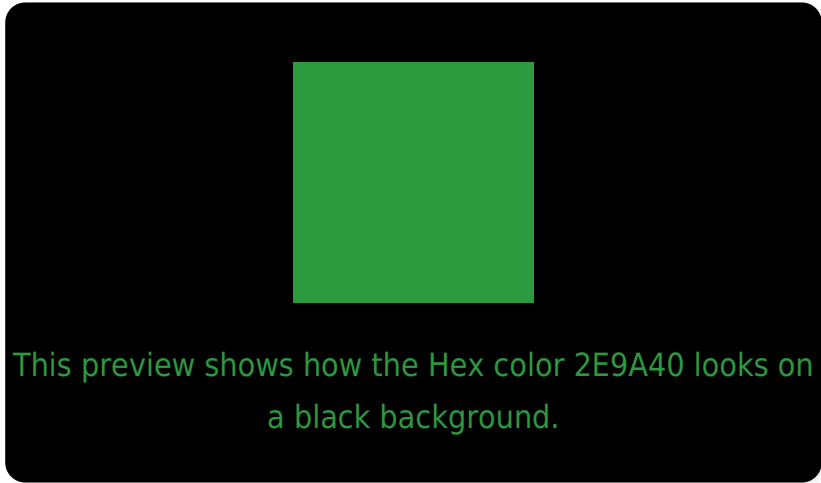
Large Text (above 18pt) WCAG AA ✓ Pass

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

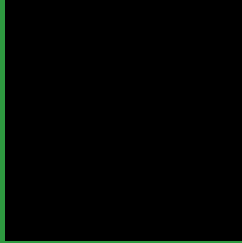
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2E9A40 Background



This preview shows how black text looks on a background with the Hex color 2E9A40.



This preview shows how white text looks on a background with the Hex color 2E9A40.

# 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**  
2E9A40

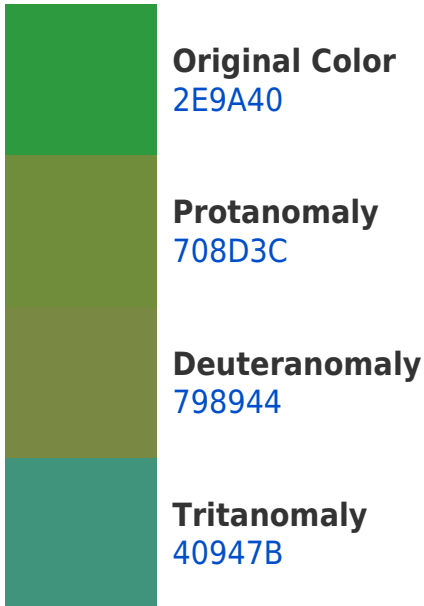
**Protanopia**  
95863A

**Deuteranopia**  
A47F47

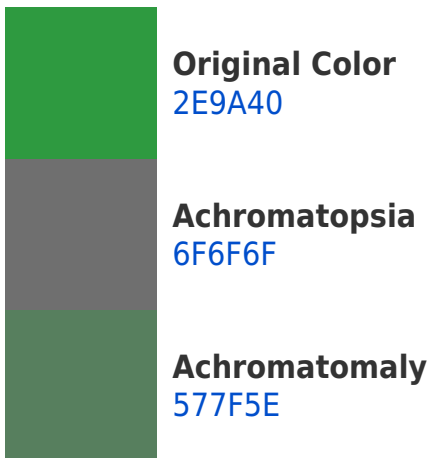


**Tritanopia**  
4A919C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E9A40 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 #2E9A40 looks like.

```
.text, #text, p{  
    color:#2E9A40  
}
```

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 #2E9A40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E9A40
}
```

## Border

The CSS property to change the border of an element to Hex 2E9A40 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
#2E9A40 }
```

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

```
.border{ border-color:#2E9A40 }
```

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

Here you see how a box with a 4 pixel #2E9A40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E9A40; -webkit-box-shadow:4px 4px  
4px 4px #2E9A40; box-shadow:4px 4px 4px  
4px #2E9A40 }
```

# Background

The CSS property to change the background color of an element to Hex 2E9A40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E9A40 }
```

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

```
.background{ background-color:#2E9A40 }
```

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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