

# Converting Colors

Hex(2E8EA4)

Have a look what the booklet for  
Hex(2E8EA4) contains.

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# Color

Hex(2E8EA4)

# Conversions

## Conversions Part 1

Format	Color
Hex	2E8EA4
RGB	46, 142, 164
RGB Percent	18%, 56%, 64%
CMY	0.8196, 0.4431, 0.3569
CMYK	0.72, 0.13, 0.00, 0.36
HSL	191°, 56%, 41%
HSV	191°, 72%, 64%
XYZ	17.5006, 22.6072, 38.5632
YIQ	115.8040, -64.2780, -13.5100

# Conversions

## Conversions Part 2

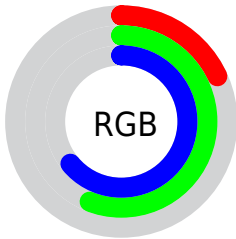
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 99, 164
Decimal	3051172
CIELab	54.67, -20.14, -19.67
CIELCh	55, 28.150, 224.317
Yxy	22.6072, 0.2225, 0.2874
Android (android.graphics.Color)	4281241252 (0xFF2E8EA4)
YUV	115.8040, 23.7606, -61.2181
Hunter-Lab	47.5470, -17.5070, -14.8045

# Details

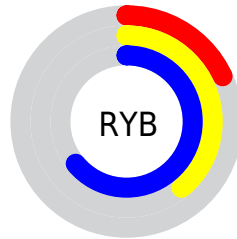
The Hex color **2E8EA4** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **A4442E**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **6CC4DB**, and **005C70** is the 20% darker color. If you saturate the color by 10%, you get **1E8BA4**, and if you desaturate by 10%, it is **3E91A4**.

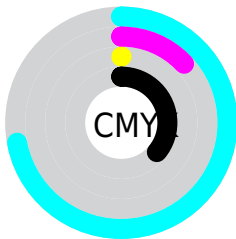
# Distribution



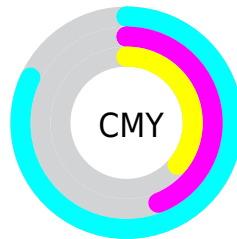
- Red (18%)
- Green (56%)
- Blue (64%)



- Red (18%)
- Yellow (39%)
- Blue (64%)



- Cyan (72%)
- Magenta (13%)
- Yellow (0%)
- Black (36%)



- Cyan (82%)
- Magenta (44%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E8EA4 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 2E8EA4 by changing the saturation by 10% instead.



■ 2E8EA4

■ 2E8EA4

FFFFFF

■ 00748A

■ 6CC4DB

■ 005C70

■ 89E0F8

■ 004458

■ A6FDFF

■ 002D40

■ C3FFFF

■ 001B2A

■ E1FFFF

■ 000115

■ 000000

■ 2E8EA4

■ 2E8EA4

■ 1E8BA4

■ 3E91A4

0D88A4

4F94A4

0085A4

5F97A4

709AA4

809DA4

90A0A4

A1A3A4

B1A6A4

C2AAA4

# Harmonies

## Analogous

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



33908E



2E8EA4



4D89B1

# Triad

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



2E8EA4



AA7291



888553

# Complementary

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



2E8EA4



A4442E

# 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.



9F7D54



2E8EA4



B37078

# Square

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



2E8EA4



9578A6



AE7562



6C8B5F

# Rectangle

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



2E8EA4



6784B3



AE7562



908252



# Sweetspot

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



2E8EA4



A7CDD6



2EA444



4F666B



EBEBEB



6B6B6B



# Same Dimension

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



2E8EA4



1EB4D6



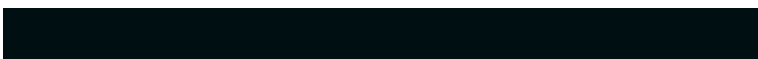
2E53A4



495052



007691



000F12



# Inverse Universe

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



A42E8E



D61EB4



A47F2E



524950



910076



12000F



# Previews

## White Background



This preview shows how the Hex color 2E8EA4 looks on a white background.

## Color Contrast Check

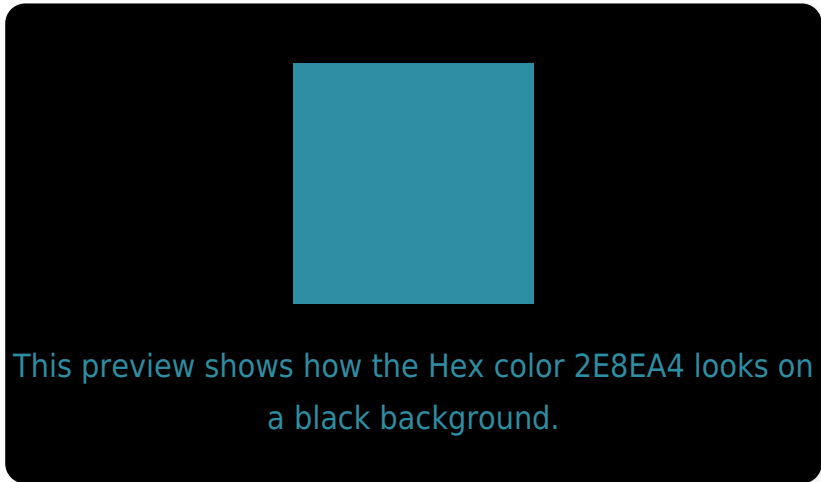
Large Text (above 18pt) WCAG AA ✓ Pass

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

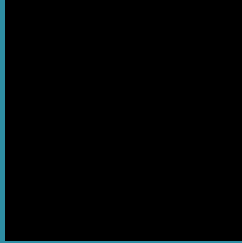
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2E8EA4 Background



This preview shows how black text looks on a background with the Hex color 2E8EA4.



This preview shows how white text looks on a background with the Hex color 2E8EA4.

# 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**  
2E8EA4

**Protanopia**  
7D819B

**Deuteranopia**  
7B80A7

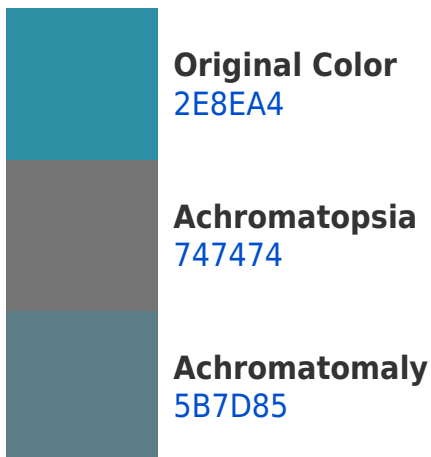


**Tritanopia**  
288F9B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E8EA4 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 #2E8EA4 looks like.

```
.text, #text, p{  
    color:#2E8EA4  
}
```

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 #2E8EA4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E8EA4
}
```

## Border

The CSS property to change the border of an element to Hex 2E8EA4 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
#2E8EA4 }
```

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

```
.border{ border-color:#2E8EA4 }
```

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

Here you see how a box with a 4 pixel #2E8EA4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E8EA4; -webkit-box-shadow:4px 4px  
4px 4px #2E8EA4; box-shadow:4px 4px 4px  
4px #2E8EA4 }
```

# Background

The CSS property to change the background color of an element to Hex 2E8EA4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E8EA4 }
```

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

```
.background{ background-color:#2E8EA4 }
```

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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