

# Converting Colors

Hex(2E1AA6)

Have a look what the booklet for  
Hex(2E1AA6) contains.

<b>Hex(2E1AA6)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(2E1AA6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E1AA6
RGB	46, 26, 166
RGB Percent	18%, 10%, 65%
CMY	0.8196, 0.8980, 0.3490
CMYK	0.72, 0.84, 0.00, 0.35
HSL	249°, 73%, 38%
HSV	249°, 84%, 65%
XYZ	8.3790, 4.0728, 36.4209
YIQ	47.9400, -33.0200, 47.7800

# Conversions

## Conversions Part 2

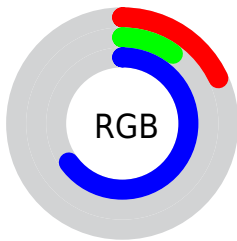
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	46, 26, 166
Decimal	3021478
CIE Lab	23.91, 50.50, -70.02
CIE LCh	24, 86.333, 305.800
Yxy	4.0728, 0.1714, 0.0833
Android (android.graphics.Color)	4281211558 (0xFF2E1AA6)
YUV	47.9400, 58.2036, -1.7014
Hunter-Lab	20.1812, 38.7945, -92.8735

# Details

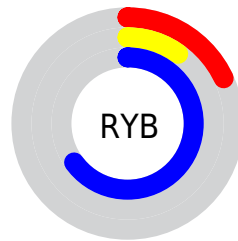
The Hex color **2E1AA6** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **92A61A**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **6F4BDE**, and **000071** is the 20% darker color. If you saturate the color by 10%, you get **2009A6**, and if you desaturate by 10%, it is **3C2BA6**.

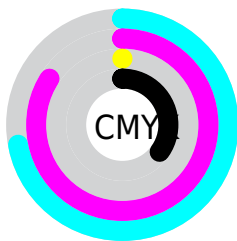
# Distribution



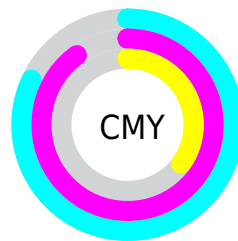
- Red (18%)
- Green (10%)
- Blue (65%)



- Red (18%)
- Yellow (10%)
- Blue (65%)



- Cyan (72%)
- Magenta (84%)
- Yellow (0%)
- Black (35%)



- Cyan (82%)
- Magenta (90%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E1AA6 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 2E1AA6 by changing the saturation by 10% instead.



■ 2E1AA6

■ 2E1AA6

FFFFFF

■ 00008B

■ 6F4BDE

■ 000071

■ 8D65FC

■ 000057

■ AB7EFF

■ 00063F

■ C999FF

■ 000328

■ E7B4FF

■ 000111

■ FFD0FF

■ 000000

■ FFEDFF

■ 2E1AA6

■ 2E1AA6

■ 2009A6

■ 3C2BA6

■ 1800A6

■ 4A3BA6

■ 594CA6

■ 675CA6

■ 756DA6

■ 837EA6

■ 928EA6

■ A09FA6

■ AEAF A6

# Harmonies

## Analogous

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



0042C0



2E1AA6



890070

# Triad

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



2E1AA6



6E1B00



004D45

# Complementary

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



2E1AA6



92A61A

# 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.



004B00



2E1AA6



3C3B00

# Square

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



2E1AA6



920000



004700



004F86

# Rectangle

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



2E1AA6



9C0045



004700



004D2E



# Sweetspot

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



2E1AA6



AAA3D9



1A93A6



514D6E



EDEDED



6E6E6E



# Same Dimension

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



2E1AA6



1F00D9



731AA6



4D4C54



150094



030014



# Inverse Universe

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



A61A92



D900BA



4DA61A



544C53



94007F

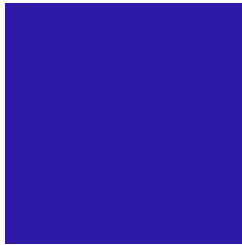


140011



# Previews

## White Background



This preview shows how the Hex color 2E1AA6 looks on a white background.

## Color Contrast Check

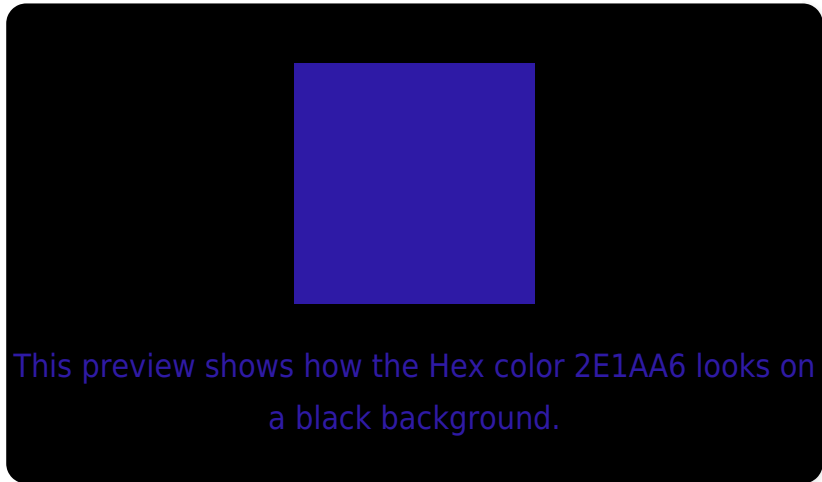
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

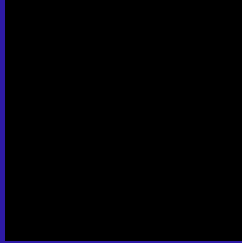
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E1AA6 Background



This preview shows how black text looks on a background with the Hex color 2E1AA6.



This preview shows how white text looks on a background with the Hex color 2E1AA6.

# 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**  
2E1AA6

**Protanopia**  
003875

**Deuteranopia**  
003B63



# Trichromacy



**Original Color**  
2E1AA6

**Protanomaly**  
112D87

**Deuteranomaly**  
112F7B

**Tritanomaly**  
113268

# Monochromacy



**Original Color**  
2E1AA6

**Achromatopsia**  
303030

**Achromatomaly**  
2F285B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E1AA6 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 #2E1AA6 looks like.

```
.text, #text, p{  
    color:#2E1AA6  
}
```

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 #2E1AA6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E1AA6
}
```

## Border

The CSS property to change the border of an element to Hex 2E1AA6 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
#2E1AA6 }
```

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

```
.border{ border-color:#2E1AA6 }
```

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

Here you see how a box with a 4 pixel #2E1AA6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E1AA6; -webkit-box-shadow:4px 4px  
4px 4px #2E1AA6; box-shadow:4px 4px 4px  
4px #2E1AA6 }
```

# Background

The CSS property to change the background color of an element to Hex 2E1AA6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E1AA6 }
```

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

```
.background{ background-color:#2E1AA6 }
```

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](#).



Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor