

# Converting Colors

Hex(E1A306)

Have a look what the booklet for  
Hex(E1A306) contains.

<b>Hex(E1A306)</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(E1A306)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1A306
RGB	225, 163, 6
RGB Percent	88%, 64%, 2%
CMY	0.1176, 0.3608, 0.9765
CMYK	0.00, 0.28, 0.97, 0.12
HSL	43°, 95%, 45%
HSV	43°, 97%, 88%
XYZ	44.1814, 42.2151, 5.9920
YIQ	163.6400, 87.3490, -35.6830

# Conversions

## Conversions Part 2

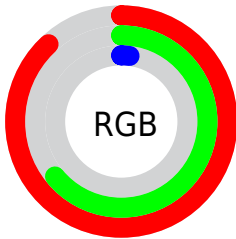
Format	Color
R <sub>Y</sub> B	92, 225, 6
Decimal	14787334
CIE Lab	71.02, 12.24, 73.96
CIE LCh	71, 74.965, 80.604
Yxy	42.2151, 0.4782, 0.4569
Android (android.graphics.Color)	4292977414 (0xFFE1A306)
YUV	163.6400, -77.7165, 53.8127
Hunter-Lab	64.9731, 7.6761, 40.0133

# Details

The Hex color **E1A306** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **0644E1**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **FFDA4F**, and **A47000** is the 20% darker color. If you saturate the color by 10%, you get **E1A100**, and if you desaturate by 10%, it is **E1A91D**.

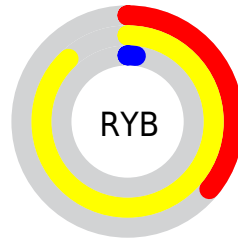
# Distribution



Red (88%)

Green (64%)

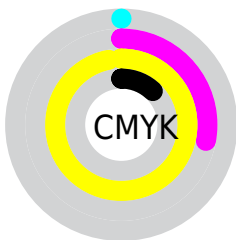
Blue (2%)



Red (36%)

Yellow (88%)

Blue (2%)

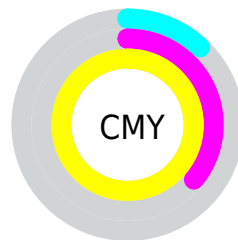


Cyan (0%)

Magenta (28%)

Yellow (97%)

Black (12%)



Cyan (12%)

Magenta (36%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E1A306 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 E1A306 by changing the saturation by 10% instead.



 E1A306

 E1A306

FFFFFF

 C28900

 FFDA4F

 A47000

 FFF66C

 875700

 FFFF88

 694000

 FFFFA4

 4D2A00

 FFFFC1

 331600

 FFFFDE

 1C0000

 FFFFFB

 000000

 E1A306

 E1A306

■ E1A100

■ E1A91D

■ E1B033

■ E1B64A

■ E1BC60

■ E1C377

■ E1C98D

■ E1D0A4

■ E1D6BA

■ E1DCD1

# Harmonies

## Analogous

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



FF8644



E1A306



A2B910

# Triad

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



E1A306



00CEDC



EB86FF

# Complementary

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



E1A306



0644E1

# 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.



81A5FF



E1A306



00C9FF

# Square

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



E1A306



00CC95



00BCFF



FF6CC6

# Rectangle

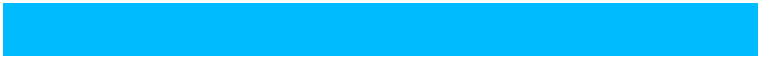
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



E1A306



6DC23C



00BCFF



CF90FF



# Sweetspot

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



E1A306



FFEAB5



E10644



807353



000000



808080



# Same Dimension

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



E1A306



FFB700



B2E106



706D65



B07E00



302300



# Inverse Universe

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



0644E1



0048FF



3506E1



656870



0032B0



000E30



# Previews

## White Background



This preview shows how the Hex color E1A306 looks on a white background.

## Color Contrast Check

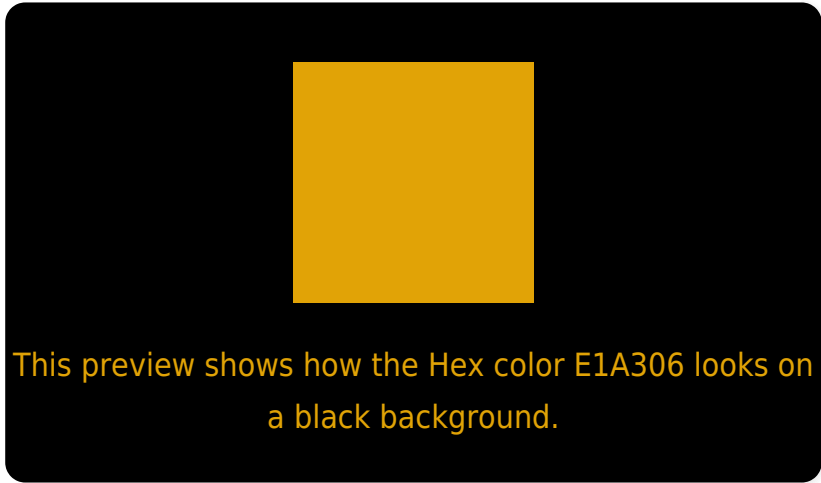
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# 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 ✓ Pass

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



## Hex E1A306 Background



This preview shows how black text looks on a background with the Hex color E1A306.



This preview shows how white text looks on a background with the Hex color E1A306.

# 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**  
E1A306

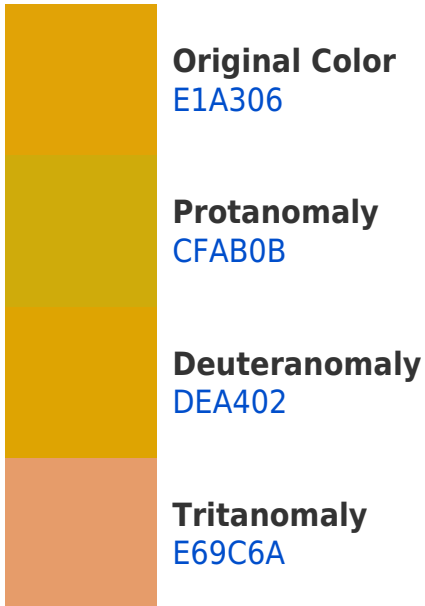
**Protanopia**  
C5AF0E

**Deuteranopia**  
DCA500

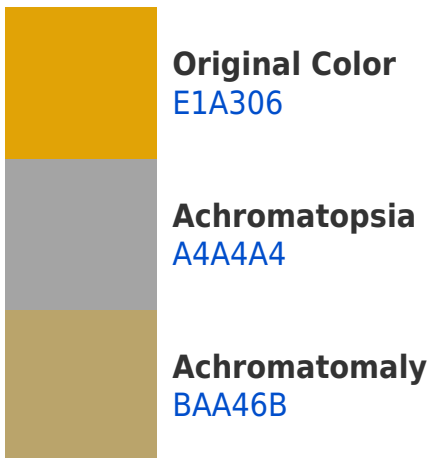


**Tritanopia**  
E998A3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex E1A306 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 #E1A306 looks like.

```
.text, #text, p{  
    color:#E1A306  
}
```

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 #E1A306 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E1A306
}
```

## Border

The CSS property to change the border of an element to Hex E1A306 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
#E1A306 }
```

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

```
.border{ border-color:#E1A306 }
```

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

Here you see how a box with a 4 pixel #E1A306 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E1A306; -webkit-box-shadow:4px 4px  
4px 4px #E1A306; box-shadow:4px 4px 4px  
4px #E1A306 }
```

# Background

The CSS property to change the background color of an element to Hex E1A306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E1A306 }
```

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

```
.background{ background-color:#E1A306 }
```

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