

# Converting Colors

Hex(E7B537)

Have a look what the booklet for  
Hex(E7B537) contains.

<b>Hex(E7B537)</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(E7B537)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7B537
RGB	231, 181, 55
RGB Percent	91%, 71%, 22%
CMY	0.0941, 0.2902, 0.7843
CMYK	0.00, 0.22, 0.76, 0.09
HSL	43°, 79%, 56%
HSV	43°, 76%, 91%
XYZ	50.1685, 50.3125, 10.6816
YIQ	181.5860, 70.2460, -28.5860

# Conversions

## Conversions Part 2

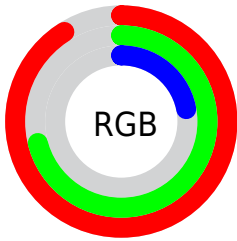
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">125, 231, 55</a>
Decimal	<a href="#">15185207</a>
CIELab	<a href="#">76.26, 6.40, 66.83</a>
CIELCh	<a href="#">76, 67.136, 84.526</a>
Yxy	<a href="#">50.3125, 0.4513, 0.4526</a>
Android (android.graphics.Color)	<a href="#">4293375287 (0xFFE7B537)</a>
YUV	<a href="#">181.5860, -62.4069, 43.3361</a>
Hunter-Lab	<a href="#">70.9313, 2.1201, 40.7234</a>

# Details

The Hex color **E7B537** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **3769E7**, and the grayscale version is **B6B6B6**.

A 20% lighter version of the original color is **FFED6F**, and **AB8100** is the 20% darker color. If you saturate the color by 10%, you get **E7AE20**, and if you desaturate by 10%, it is **E7BC4E**.

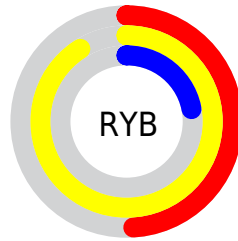
# Distribution



Red (91%)

Green (71%)

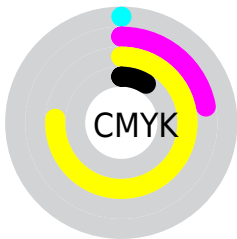
Blue (22%)



Red (49%)

Yellow (91%)

Blue (22%)

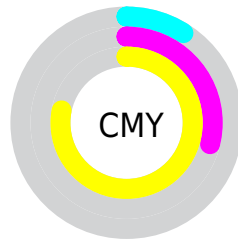


Cyan (0%)

Magenta (22%)

Yellow (76%)

Black (9%)



Cyan (9%)

Magenta (29%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E7B537 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 E7B537 by changing the saturation by 10% instead.



 E7B537

 E7B537

FFFFFF

 C99A16

 FFED6F

 AB8100

 FFFF8A

 8E6800

 FFFFA6

 715000

 FFFF8A

 553900

 FFFFDF

 3A2400

FFFFFFD

 221000

 000000

 E7B537

 E7B537

 E7AE20

 E7BC4E

 E7A809

 E7C265

 E7A500

 E7C97C

 E7CF93

 E7D6AB

 E7DCC2

 E7E3D9

 E7EAF0

 E7F0FF

# Harmonies

## Analogous

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



FF9D57



E7B537



ABC842

# Triad

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



E7B537



00DAEE



FD96FF

# Complementary

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



E7B537



3769E7

# 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.



AAB0FF



E7B537



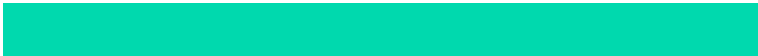
00D4FF

# Square

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



E7B537



00D9AE



00C6FF



FF84CA

# Rectangle

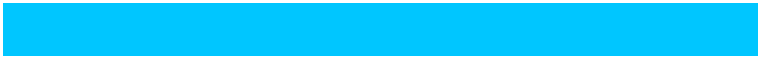
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



E7B537



7AD05F



00C6FF



E69FFF



# Sweetspot

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



E7B537



FFEEC4



E7376C



80755C



000000



808080



# Same Dimension

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



E7B537



FFBD17



C4E737



736F67



B38000



332500



# Inverse Universe

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



3769E7



1759FF



5A37E7



676B73



0033B3



000E33



# Previews

## White Background



This preview shows how the Hex color E7B537 looks on a white background.

## Color Contrast Check

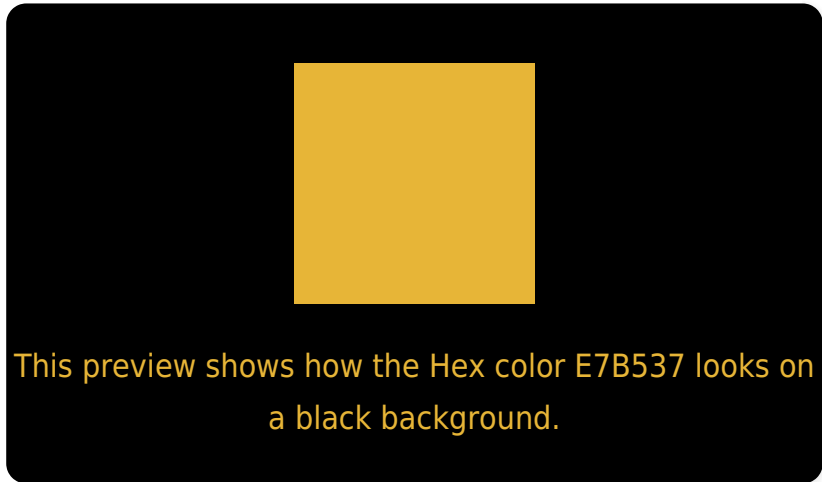
Large Text (above 18pt) WCAG AA × Fail

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 E7B537 Background



This preview shows how black text looks on a background with the Hex color E7B537.



This preview shows how white text looks on a background with the Hex color E7B537.

# 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**  
E7B537

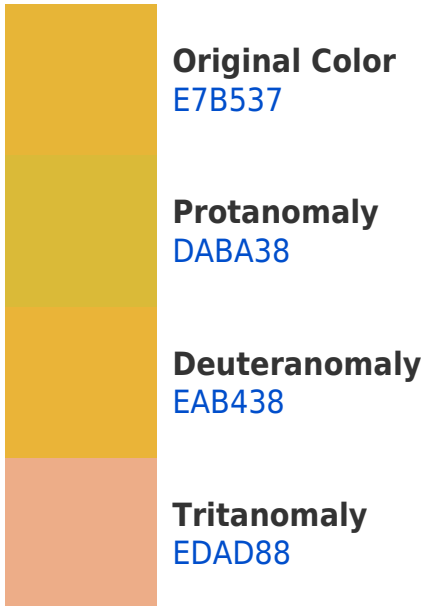
**Protanopia**  
D3BD39

**Deuteranopia**  
ECB338



**Tritanopia**  
F0A9B6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex E7B537 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 #E7B537 looks like.

```
.text, #text, p{  
    color:#E7B537  
}
```

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 #E7B537 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E7B537
}
```

## Border

The CSS property to change the border of an element to Hex E7B537 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
#E7B537 }
```

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

```
.border{ border-color:#E7B537 }
```

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

Here you see how a box with a 4 pixel #E7B537 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E7B537; -webkit-box-shadow:4px 4px  
4px 4px #E7B537; box-shadow:4px 4px 4px  
4px #E7B537 }
```

# Background

The CSS property to change the background color of an element to Hex E7B537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E7B537 }
```

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

```
.background{ background-color:#E7B537 }
```

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