

# Converting Colors

Hex(37580A)

Have a look what the booklet for  
Hex(37580A) contains.

<b>Hex(37580A)</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(37580A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37580A
RGB	55, 88, 10
RGB Percent	22%, 35%, 4%
CMY	0.7843, 0.6549, 0.9608
CMYK	0.37, 0.00, 0.89, 0.65
HSL	85°, 80%, 19%
HSV	85°, 89%, 35%
XYZ	5.1201, 7.8136, 1.5255
YIQ	69.2410, 5.3700, -31.2540

# Conversions

## Conversions Part 2

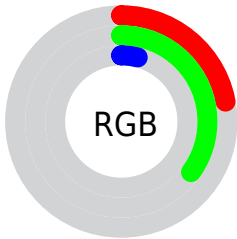
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 88, 43
Decimal	3627018
CIELab	33.59, -24.92, 37.29
CIELCh	34, 44.850, 123.757
Yxy	7.8136, 0.3541, 0.5404
Android (android.graphics.Color)	4281817098 (0xFF37580A)
YUV	69.2410, -29.2058, -12.4894
Hunter-Lab	27.9528, -16.2219, 16.3313

# Details

The Hex color **37580A** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2B0A58**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **698A3D**, and **042A00** is the 20% darker color. If you saturate the color by 10%, you get **335801**, and if you desaturate by 10%, it is **3B5813**.

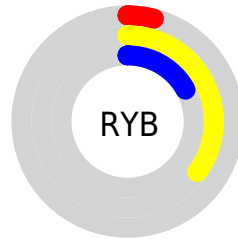
# Distribution



Red (22%)

Green (35%)

Blue (4%)



Red (4%)

Yellow (35%)

Blue (17%)

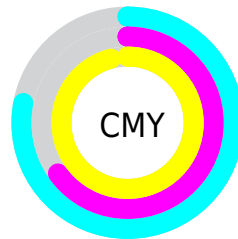


Cyan (37%)

Magenta (0%)

Yellow (89%)

Black (65%)



Cyan (78%)

Magenta (65%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 37580A 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 37580A by changing the saturation by 10% instead.



 37580A

 37580A

 FFFFF8

 1F4000

 698A3D

 042A00

 84A555

 001500

 9EC06F

 000000

 BADC89

 D6F8A3

 F3FFBF

 FFFFDB

 37580A

 37580A

■ 335801

■ 3B5813

■ 335800

■ 3E581C

■ 425824

■ 46582D

■ 4A5836

■ 4D583F

■ 515848

■ 555850

■ 595859

# Harmonies

## Analogous

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



5C4F00



37580A



005D2E

# Triad

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



37580A



005B8F



8D294C

# Complementary

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



37580A



2B0A58

# 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.



7D326F



37580A



005296

# Square

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



37580A



005F76



54438B



8A312A

# Rectangle

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



37580A



005F46



54438B



8A2B58



# Sweetspot

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



37580A



667354



582B0A



333B28



BABABA



3B3B3B



# Same Dimension

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



37580A



427300



11580A



2A2B27



3E6B00



87EB00



# Inverse Universe

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



2B0A58



310073



510A58



29272B



2D006B



6300EB



# Previews

## White Background



This preview shows how the Hex color 37580A looks on a white background.

## Color Contrast Check

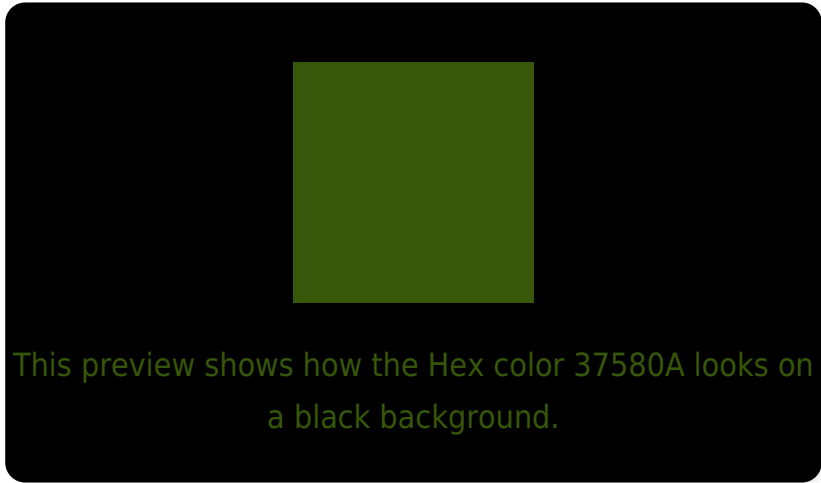
Large Text (above 18pt) WCAG AA ✓ Pass

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

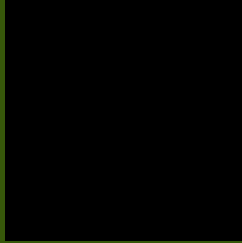
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 37580A Background



This preview shows how black text looks on a background with the Hex color 37580A.



This preview shows how white text looks on a background with the Hex color 37580A.

# 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](#).

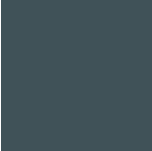
## Dichromacy



**Original Color**  
37580A

**Protanopia**  
594F06

**Deuteranopia**  
634B13



**Tritanopia**  
405258

# Trichromacy



**Original Color**  
37580A

**Protanomaly**  
4D5207

**Deuteranomaly**  
535010

**Tritanomaly**  
3D543C

# Monochromacy



**Original Color**  
37580A

**Achromatopsia**  
454545

**Achromatomaly**  
404C30

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 37580A 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 #37580A looks like.

```
.text, #text, p{  
    color:#37580A  
}
```

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 #37580A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #37580A
}
```

## Border

The CSS property to change the border of an element to Hex 37580A 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".

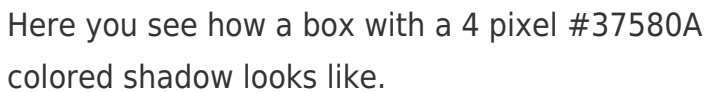
```
.border, #border, table{ border:4px solid
#37580A }
```

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

```
.border{ border-color:#37580A }
```

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

Here you see how a box with a 4 pixel #37580A colored shadow looks like.

A rectangular box with a dark green border and a dark green shadow. The box is white with a thin dark green border on the top and left sides, and a thicker dark green shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #37580A; -webkit-box-shadow:4px 4px  
4px 4px #37580A; box-shadow:4px 4px 4px  
4px #37580A }
```

# Background

The CSS property to change the background color of an element to Hex 37580A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#37580A }
```

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

```
.background{ background-color:#37580A }
```

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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