

# Converting Colors

Hex(235A09)

Have a look what the booklet for  
Hex(235A09) contains.

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# Color

Hex(235A09)

# Conversions

## Conversions Part 1

Format	Color
Hex	235A09
RGB	35, 90, 9
RGB Percent	14%, 35%, 4%
CMY	0.8627, 0.6471, 0.9647
CMYK	0.61, 0.00, 0.90, 0.65
HSL	101°, 82%, 19%
HSV	101°, 90%, 35%
XYZ	4.3986, 7.6894, 1.5108
YIQ	64.3210, -6.7790, -36.8510

# Conversions

## Conversions Part 2

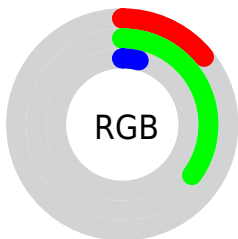
<b>Format</b>	<b>Color</b>
<b>RYB</b>	9, 90, 64
Decimal	2316809
CIELab	33.33, -33.11, 36.99
CIElCh	33, 49.639, 131.830
Yxy	7.6894, 0.3235, 0.5654
Android (android.graphics.Color)	4280506889 (0xFF235A09)
YUV	64.3210, -27.2733, -25.7145
Hunter-Lab	27.7297, -20.2126, 16.1805

# Details

The Hex color **235A09** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **40095A**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **578D3C**, and **002B00** is the 20% darker color. If you saturate the color by 10%, you get **1D5A00**, and if you desaturate by 10%, it is **295A12**.

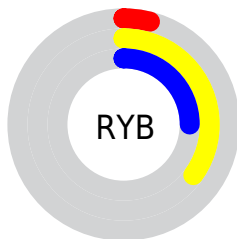
# Distribution



Red (14%)

Green (35%)

Blue (4%)



Red (4%)

Yellow (35%)

Blue (25%)

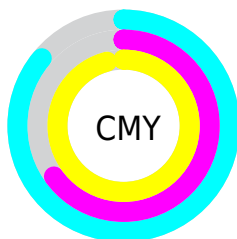


Cyan (61%)

Magenta (0%)

Yellow (90%)

Black (65%)



Cyan (86%)

Magenta (65%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 235A09 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 235A09 by changing the saturation by 10% instead.



 235A09

 235A09

 FFFFF7

 054200

 578D3C

 002B00

 72A755

 001400

 8CC36E

 000000

 A8DF88

 C4FCA3

 E0FFBE

 FDFFDA

 235A09

 235A09

■ 1D5A00

■ 295A12

■ 2F5A1B

■ 355A24

■ 3B5A2D

■ 425A36

■ 485A3F

■ 4E5A48

■ 545A51

■ 5A5A5A

# Harmonies

## Analogous

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



515200



235A09



005E34

# Triad

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



235A09



005999



932141

# Complementary

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



235A09



40095A

# 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.



882868



235A09



004E9C

# Square

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



235A09



005F82



633C89



8A311B

# Rectangle

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



235A09



006050



633C89



92204E



# Sweetspot

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



235A09



607556



5A3F09



2E3B28



BABABA



3B3B3B



# Same Dimension

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



235A09



267500



095A16



2B2E29



236E00



4CED00



# Inverse Universe

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



40095A



500075



5A094C



2C292E



4A006E

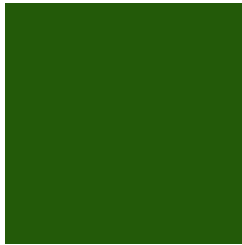


A100ED



# Previews

## White Background



This preview shows how the Hex color 235A09 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

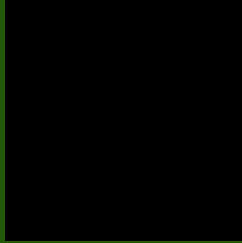
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 235A09 Background



This preview shows how black text looks on a background with the Hex color 235A09.



This preview shows how white text looks on a background with the Hex color 235A09.

# 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](#).

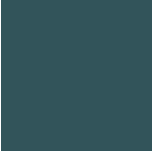
## Dichromacy



**Original Color**  
235A09

**Protanopia**  
584E03

**Deuteranopia**  
624A15



**Tritanopia**  
32545A

# Trichromacy



**Original Color**  
235A09

**Protanomaly**  
455205

**Deuteranomaly**  
4B5011

**Tritanomaly**  
2D563D

# Monochromacy



**Original Color**  
235A09

**Achromatopsia**  
404040

**Achromatomaly**  
35492C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 235A09 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 #235A09 looks like.

```
.text, #text, p{  
    color:#235A09  
}
```

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 #235A09 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #235A09
}
```

## Border

The CSS property to change the border of an element to Hex 235A09 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
#235A09 }
```

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

```
.border{ border-color:#235A09 }
```

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

Here you see how a box with a 4 pixel #235A09 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #235A09; -webkit-box-shadow:4px 4px  
4px 4px #235A09; box-shadow:4px 4px 4px  
4px #235A09 }
```

# Background

The CSS property to change the background color of an element to Hex 235A09 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#235A09 }
```

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

```
.background{ background-color:#235A09 }
```

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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