

# Converting Colors

Hex(2C5A00)

Have a look what the booklet for  
Hex(2C5A00) contains.

<b>Hex(2C5A00)</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(2C5A00)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2C5A00
RGB	44, 90, 0
RGB Percent	17%, 35%, 0%
CMY	0.8275, 0.6471, 1.0000
CMYK	0.51, 0.00, 1.00, 0.65
HSL	91°, 100%, 18%
HSV	91°, 100%, 35%
XYZ	4.6949, 7.8478, 1.2673
YIQ	65.9860, 1.4740, -37.7420

# Conversions

## Conversions Part 2

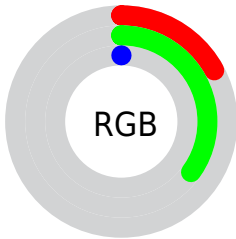
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 90, 46</a>
Decimal	<a href="#">2906624</a>
CIELab	<a href="#">33.66, -30.61, 40.30</a>
CIELCh	<a href="#">34, 50.610, 127.219</a>
Yxy	<a href="#">7.8478, 0.3400, 0.5683</a>
Android (android.graphics.Color)	<a href="#">4281096704 (0xFF2C5A00)</a>
YUV	<a href="#">65.9860, -32.5311, -19.2817</a>
Hunter-Lab	<a href="#">28.0139, -19.1095, 16.9275</a>

# Details

The Hex color **2C5A00** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2E005A**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **608D36**, and **002C00** is the 20% darker color. If you saturate the color by 10%, you get **2C5A00**, and if you desaturate by 10%, it is **315A09**.

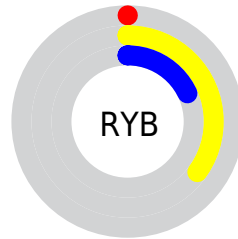
# Distribution



Red (17%)

Green (35%)

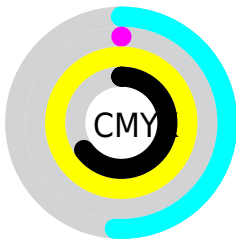
Blue (0%)



Red (0%)

Yellow (35%)

Blue (18%)

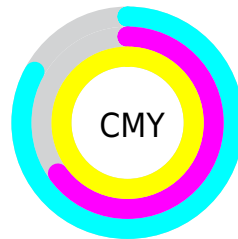


Cyan (51%)

Magenta (0%)

Yellow (100%)

Black (65%)



Cyan (83%)

Magenta (65%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2C5A00 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 2C5A00 by changing the saturation by 10% instead.



 2C5A00

 2C5A00

 FFFFF1

 134200

 608D36

 002C00

 7AA74F

 001500

 95C368

 000000

 B0DF82

 CCFB9D

 E9FFB9

 FFFF5D

 2C5A00

 315A09

 355A12


 3A5A1B

 3E5A24

 435A2D

 485A36

 4C5A3F

 515A48

 555A51

# Harmonies

## Analogous

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



585100



2C5A00



005F2E

# Triad

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



2C5A00



005C99



951F47

# Complementary

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



2C5A00



2E005A

# 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.



862A6F



2C5A00



00519F

# Square

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



2C5A00



00607F



5B4090



8F2E21

# Rectangle

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



2C5A00



00604A



5B4090



922055



# Sweetspot

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



2C5A00



637552



5A2D00



303B26



BABABA



3B3B3B



# Same Dimension

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



2C5A00



397500



005A00



2C2E29



366E00



74ED00



# Inverse Universe

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



2E005A



3C0075



5A005A



2C292E



38006E



7900ED



# Previews

## White Background



This preview shows how the Hex color 2C5A00 looks on a white background.

## Color Contrast Check

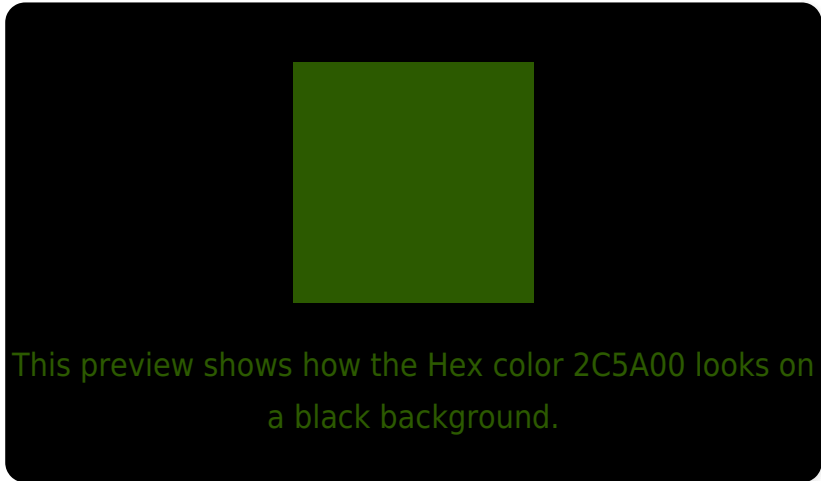
Large Text (above 18pt) WCAG AA ✓ Pass

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

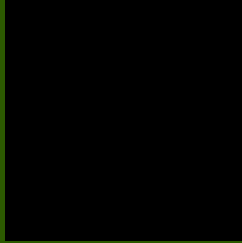
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2C5A00 Background



This preview shows how black text looks on a background with the Hex color 2C5A00.



This preview shows how white text looks on a background with the Hex color 2C5A00.

# 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**  
2C5A00

**Protanopia**  
594F00

**Deuteranopia**  
644B12



**Tritanopia**  
38545A

# Trichromacy



**Original Color**  
2C5A00

**Protanomaly**  
495300

**Deuteranomaly**  
50500B

**Tritanomaly**  
345639

# Monochromacy



**Original Color**  
2C5A00

**Achromatopsia**  
424242

**Achromatomaly**  
3A4B2A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2C5A00 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 #2C5A00 looks like.

```
.text, #text, p{  
    color:#2C5A00  
}
```

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 #2C5A00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2C5A00
}
```

## Border

The CSS property to change the border of an element to Hex 2C5A00 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".

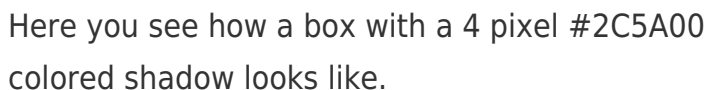
```
.border, #border, table{ border:4px solid
#2C5A00 }
```

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

```
.border{ border-color:#2C5A00 }
```

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

Here you see how a box with a 4 pixel #2C5A00 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2C5A00; -webkit-box-shadow:4px 4px  
4px 4px #2C5A00; box-shadow:4px 4px 4px  
4px #2C5A00 }
```

# Background

The CSS property to change the background color of an element to Hex 2C5A00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2C5A00 }
```

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

```
.background{ background-color:#2C5A00 }
```

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