

# Converting Colors

Hex(205C01)

Have a look what the booklet for  
Hex(205C01) contains.

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**Color**

**Hex(205C01)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 205C01                     |
| RGB           | 32, 92, 1                  |
| RGB Percent   | 13%, 36%, 0%               |
| CMY           | 0.8745, 0.6392, 0.9961     |
| CMYK          | 0.65, 0.00, 0.99, 0.64     |
| HSL           | 100°, 98%, 18%             |
| HSV           | 100°, 99%, 36%             |
| XYZ           | 4.4283, 7.9636, 1.3324     |
| YIQ           | 63.6860, -6.5490, -41.0210 |

# Conversions

## Conversions Part 2

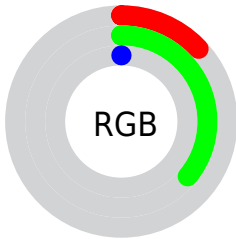
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 1, 92, 61                      |
| Decimal                             | 2120705                        |
| CIELab                              | 33.91, -35.20, 39.96           |
| CIELCh                              | 34, 53.251, 131.378            |
| Yxy                                 | 7.9636, 0.3227,<br>0.5803      |
| Android<br>(android.graphics.Color) | 4280310785<br>(0xFF205C01)     |
| YUV                                 | 63.6860, -30.9042,<br>-27.7886 |
| Hunter-Lab                          | 28.2198, -21.3741,<br>16.9544  |

# Details

The Hex color **205C01** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3D015C**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **568F37**, and **002D00** is the 20% darker color. If you saturate the color by 10%, you get **1F5C00**, and if you desaturate by 10%, it is **265C0A**.

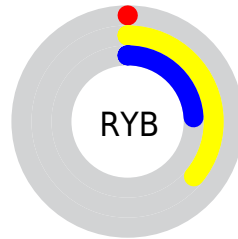
# Distribution



Red (13%)

Green (36%)

Blue (0%)



Red (0%)

Yellow (36%)

Blue (24%)

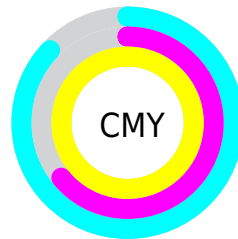


Cyan (65%)

Magenta (0%)

Yellow (99%)

Black (64%)



Cyan (87%)

Magenta (64%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 205C01 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 205C01 by changing the saturation by 10% instead.



 205C01

 205C01

 FFFFF3

 004400

 568F37

 002D00

 70AA50

 001600

 8BC569

 000000

 A7E184

 C3FE9E

 DFFFBA

 FDFFD6

 205C01

 205C01

■ 1F5C00

■ 265C0A

■ 2C5C13

■ 325C1D

■ 385C26

■ 3E5C2F

■ 445C38

■ 4A5C41

■ 515C4B

■ 575C54

# Harmonies

## Analogous

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



535300



205C01



006133

# Triad

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



205C01



005CA0



991B42

# Complementary

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



205C01



3D015C

# 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.



8D246C



205C01



0050A4

# Square

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



205C01



006187



643C90



902E19

# Rectangle

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



205C01



006251



643C90



981A50



# Sweetspot

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



205C01



607854



5C3C01



2F3D27



BDBDBD



3D3D3D



# Same Dimension

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



205C01



297800



015C0F



2B2E29



256E00



51ED00



# Inverse Universe

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



3D015C



4F0078



5C014E



2C292E



48006E

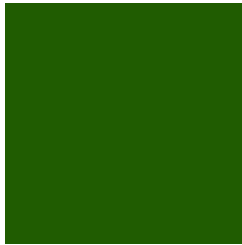


9C00ED



# Previews

## White Background



This preview shows how the Hex color 205C01 looks on a white background.

## Color Contrast Check

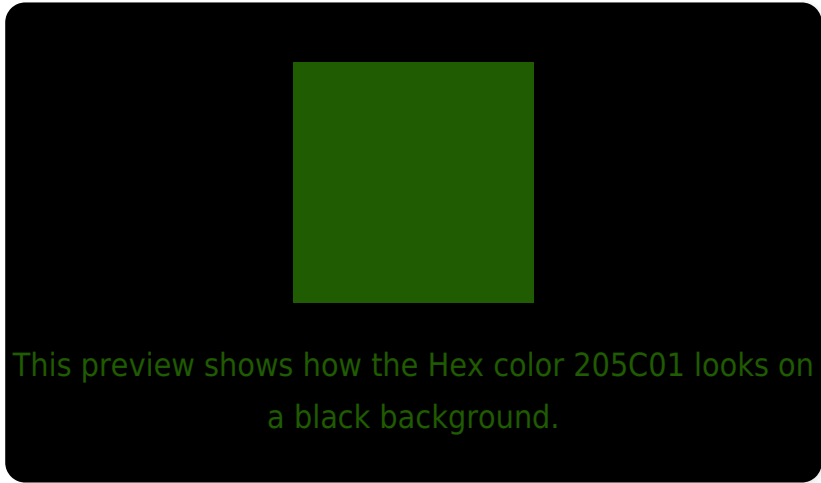
Large Text (above 18pt) WCAG AA ✓ Pass

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

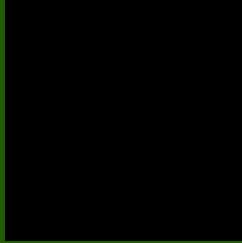
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 205C01 Background



This preview shows how black text looks on a background with the Hex color 205C01.



This preview shows how white text looks on a background with the Hex color 205C01.

# 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](#).

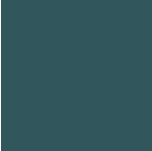
## Dichromacy



**Original Color**  
205C01

**Protanopia**  
5A5000

**Deuteranopia**  
644C13



**Tritanopia**  
31565C

# Trichromacy



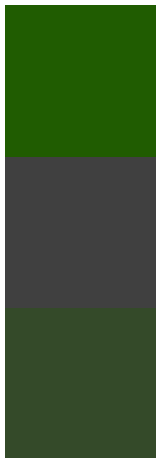
**Original Color**  
205C01

**Protanomaly**  
455400

**Deuteranomaly**  
4B520C

**Tritanomaly**  
2B583B

# Monochromacy



**Original Color**  
205C01

**Achromatopsia**  
404040

**Achromatomaly**  
344A29

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 205C01 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 #205C01 looks like.

```
.text, #text, p{  
    color:#205C01  
}
```

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 #205C01 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #205C01
}
```

## Border

The CSS property to change the border of an element to Hex 205C01 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".

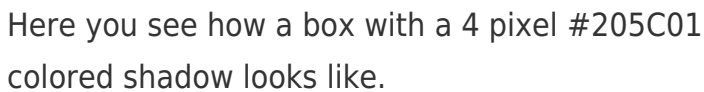
```
.border, #border, table{ border:4px solid
#205C01 }
```

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

```
.border{ border-color:#205C01 }
```

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

Here you see how a box with a 4 pixel #205C01 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #205C01; -webkit-box-shadow:4px 4px  
4px 4px #205C01; box-shadow:4px 4px 4px  
4px #205C01 }
```

# Background

The CSS property to change the background color of an element to Hex 205C01 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#205C01 }
```

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

```
.background{ background-color:#205C01 }
```

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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