

# Converting Colors

Decimal(65305)

Have a look what the booklet for  
Decimal(65305) contains.

<b>Decimal(65305)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# **Color**

**Decimal(65305)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FF19
RGB	0, 255, 25
RGB Percent	0%, 100%, 10%
CMY	1.0000, 0.0000, 0.9020
CMYK	1.00, 0.00, 0.90, 0.00
HSL	126°, 100%, 50%
HSV	126°, 100%, 100%
XYZ	35.9355, 71.5902, 12.8440
YIQ	152.5350, -78.1500, -125.5900

# Conversions

## Conversions Part 2

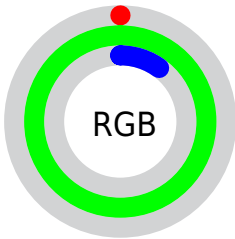
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 232, 255
Decimal	65305
CIELab	87.77, -85.74, 80.83
CIELCh	88, 117.834, 136.689
Yxy	71.5902, 0.2985, 0.5948
Android (android.graphics.Color)	4278255385 (0xFF00FF19)
YUV	152.5350, -62.8748, -133.7732
Hunter-Lab	84.6110, -72.2578, 50.2274

# Details

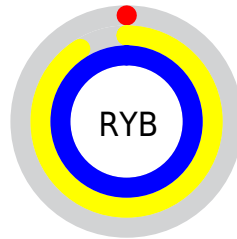
The Decimal color **65305** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **16711910**, and the grayscale version is **10066329**.

A 20% lighter version of the original color is **7929699**, and **50176** is the 20% darker color. If you saturate the color by 10%, you get **65305**, and if you desaturate by 10%, it is **1703728**.

# Distribution



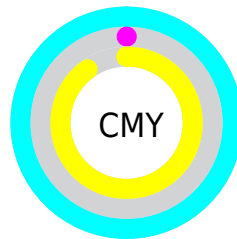
- Red (0%)
- Green (100%)
- Blue (10%)



- Red (0%)
- Yellow (91%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)



- Cyan (100%)
- Magenta (0%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 65305 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 Decimal color 65305 by changing the saturation by 10% instead.



 65305	 65305
 16777215	 57600
 7929699	 50176
 10223489	 43008
 12451743	 35840
 14614461	 28928
 16777178	 22016
 16777209	 15616
	 8704
	 0

 65305

 1703728


 3407687

 5111646

 6750069

 8454028

 10092451

 11796410

 13434833

 15138792

# Harmonies

## Analogous

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



13625856



65305



65444

# Triad

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



65305



63743



16730275

# Complementary

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



65305



16711910

# 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.



16732927



65305



54783

# Square

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



65305



65535



16751615



16747571

# Rectangle

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



65305



65523



16751615



16726984

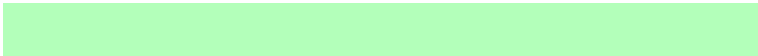


# Sweetspot

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



65305



11796410



15400704



5406806



0



8421504



# Same Dimension

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



65305



65429



7569524



48915



16390

# Inverse Universe

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



16711910



16711786



8418174



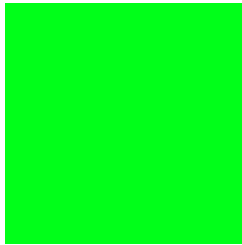
12517549



4194362

# Previews

## White Background



This preview shows how the Decimal color 65305 looks on a white background.

## Color Contrast Check

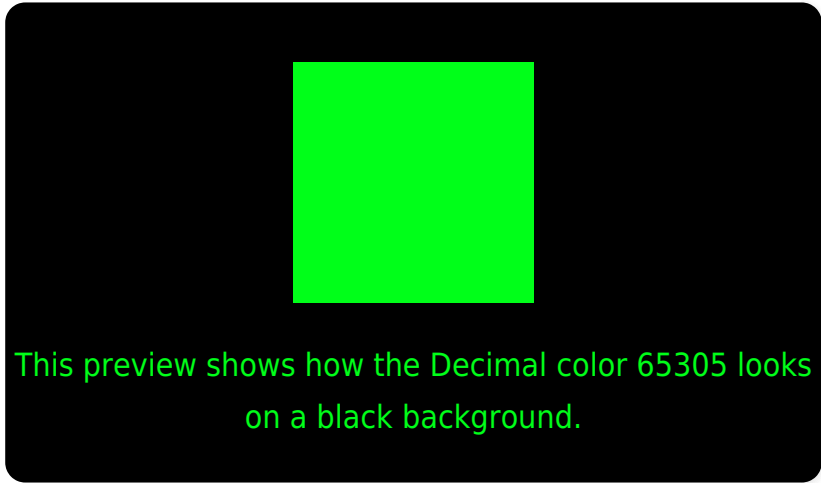
Large Text (above 18pt) WCAG AA × Fail

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

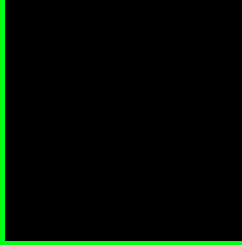
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

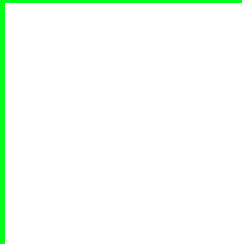
Any Text WCAG AAA ✓ Pass

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

## Decimal 65305 Background



This preview shows how black text looks on a background with the Decimal color 65305.



This preview shows how white text looks on a background with the Decimal color 65305.

# 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

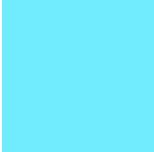


**Original Color**  
65305

**Protanopia**  
16177664

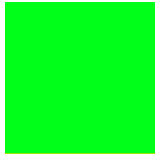
**Deuteranopia**  
16765840





**Tritanopia**  
7466239

# Trichromacy



**Original Color**  
65305



**Protanomaly**  
10348297

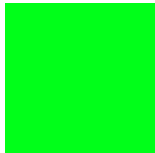


**Deuteranomaly**  
10675045



**Tritanomaly**  
4780971

# Monochromacy



**Original Color**  
65305



**Achromatopsia**  
10066329



**Achromatomaly**  
6405738

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 65305 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 #00FF19 looks like.

```
.text, #text, p{  
    color:#00FF19  
}
```

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 #00FF19 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00FF19
}
```

## Border

The CSS property to change the border of an element to Decimal 65305 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
#00FF19 }
```

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

```
.border{ border-color:#00FF19 }
```

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

Here you see how a box with a 4 pixel #00FF19 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00FF19; -webkit-box-shadow:4px 4px  
4px 4px #00FF19; box-shadow:4px 4px 4px  
4px #00FF19 }
```

# Background

The CSS property to change the background color of an element to Decimal 65305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00FF19 }
```

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

```
.background{ background-color:#00FF19 }
```

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