

# Converting Colors

Decimal(3080023)

Have a look what the booklet for  
Decimal(3080023) contains.

<b>Decimal(3080023)</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> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Decimal(3080023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EFF57
RGB	46, 255, 87
RGB Percent	18%, 100%, 34%
CMY	0.8196, 0.0000, 0.6588
CMYK	0.82, 0.00, 0.66, 0.00
HSL	132°, 100%, 59%
HSV	132°, 82%, 100%
XYZ	38.6070, 72.7890, 21.0317
YIQ	173.3570, -70.6360, -96.5560

# Conversions

## Conversions Part 2

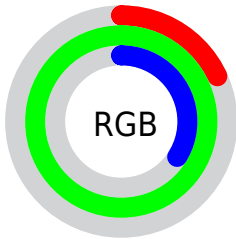
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 221, 255
Decimal	3080023
CIELab	88.35, -79.48, 64.30
CIELCh	88, 102.229, 141.027
Yxy	72.7890, 0.2915, 0.5497
Android (android.graphics.Color)	4281270103 (0xFF2EFF57)
YUV	173.3570, -42.5740, -111.6921
Hunter-Lab	85.3164, -68.5298, 45.1057

# Details

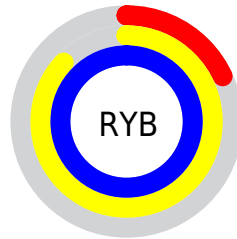
The Decimal color **3080023** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **16723670**, and the grayscale version is **11447982**.

A 20% lighter version of the original color is **8519567**, and **50454** is the 20% darker color. If you saturate the color by 10%, you get **1441603**, and if you desaturate by 10%, it is **4783979**.

# Distribution



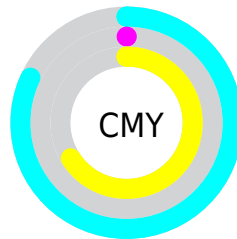
- Red (18%)
- Green (100%)
- Blue (34%)



- Red (18%)
- Yellow (87%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)



- Cyan (82%)
- Magenta (0%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 3080023 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 3080023 by changing the saturation by 10% instead.



 3080023

 3080023

16777215

 57658

 8519567

 50454

 10747820

 43008

 12910536

 35840

 15007717

 28928

 22272

 15872

 9216

 0

■ 3080023

■ 3080023

■ 1441603

■ 4783979

■ 65330

■ 6422400

■ 8126356

■ 9764777

■ 11468733

■ 13107154

■ 14811110

■ 16449531

16777215

# Harmonies

## Analogous

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



13167872



3080023



65468

# Triad

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



3080023



62207



16742558

# Complementary

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



3080023



16723670

# 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.



16741887



3080023



9818623

# Square

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



3080023



65535



16753151



16753730

# Rectangle

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



3080023



65535



16753151



16740542

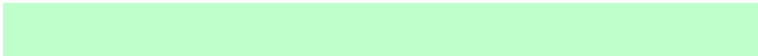


# Sweetspot

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



3080023



12582860



14286638



5865569



0



8421504



# Same Dimension

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



3080023



393014



3080125



7569525



48934



16397



# Inverse Universe

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



16723670



16713166



16723568



8418173



12517530

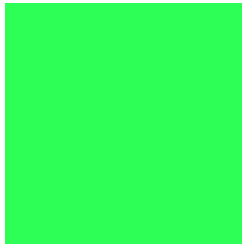


4194355



# Previews

## White Background



This preview shows how the Decimal color 3080023 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



This preview shows how the Decimal color 3080023 looks on a 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

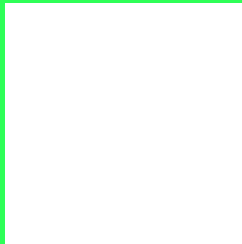
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Decimal 3080023 Background



This preview shows how black text looks on a background with the Decimal color 3080023.

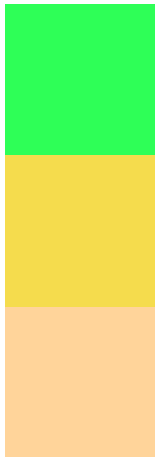


This preview shows how white text looks on a background with the Decimal color 3080023.

# 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](#).

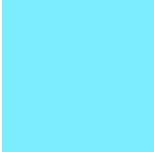
## Dichromacy



**Original Color**  
3080023

**Protanopia**  
16112717

**Deuteranopia**  
16766106



**Tritanopia**  
8187391

# Trichromacy



**Original Color**  
3080023



**Protanomaly**  
11397457



**Deuteranomaly**  
11789442



**Tritanomaly**  
6354114

# Monochromacy



**Original Color**  
3080023



**Achromatopsia**  
11382189



**Achromatomaly**  
8375182

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 3080023 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 #2EFF57 looks like.

```
.text, #text, p{  
    color:#2EFF57  
}
```

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 #2EFF57 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2EFF57
}
```

## Border

The CSS property to change the border of an element to Decimal 3080023 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
#2EFF57 }
```

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

```
.border{ border-color:#2EFF57 }
```

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

Here you see how a box with a 4 pixel #2EFF57 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2EFF57; -webkit-box-shadow:4px 4px  
4px 4px #2EFF57; box-shadow:4px 4px 4px  
4px #2EFF57 }
```

# Background

The CSS property to change the background color of an element to Decimal 3080023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2EFF57 }
```

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

```
.background{ background-color:#2EFF57 }
```

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