

# Converting Colors

Decimal(8446789)

Have a look what the booklet for  
Decimal(8446789) contains.

<b>Decimal(8446789)</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(8446789)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	80E345
RGB	128, 227, 69
RGB Percent	50%, 89%, 27%
CMY	0.4980, 0.1098, 0.7294
CMYK	0.44, 0.00, 0.70, 0.11
HSL	98°, 74%, 58%
HSV	98°, 70%, 89%
XYZ	37.4453, 59.9570, 15.2295
YIQ	179.3870, -8.2860, -70.1260

# Conversions

## Conversions Part 2

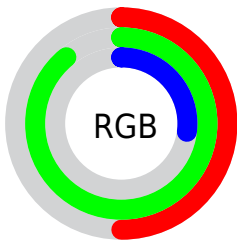
Format	Color
<a href="#">RYB</a>	<a href="#">69, 227, 168</a>
Decimal	<a href="#">8446789</a>
CIELab	<a href="#">81.81, -55.07, 64.83</a>
CIELCh	<a href="#">82, 85.064, 130.349</a>
Yxy	<a href="#">59.9570, 0.3325, 0.5323</a>
Android (android.graphics.Color)	<a href="#">4286636869 (0xFF80E345)</a>
YUV	<a href="#">179.3870, -54.4208, -45.0664</a>
Hunter-Lab	<a href="#">77.4319, -49.1850, 42.5410</a>

# Details

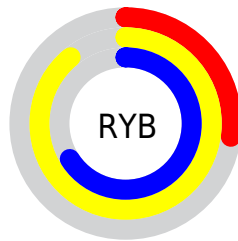
The Decimal color **8446789** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **11027939**, and the grayscale version is **11842740**.

A 20% lighter version of the original color is **12320637**, and **4434688** is the 20% darker color. If you saturate the color by 10%, you get **7529262**, and if you desaturate by 10%, it is **9364316**.

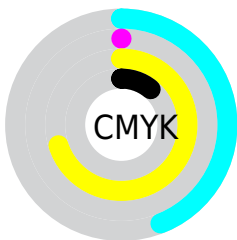
# Distribution



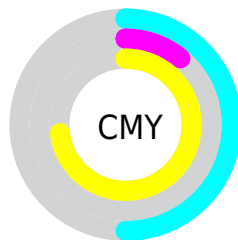
- Red (50%)
- Green (89%)
- Blue (27%)



- Red (27%)
- Yellow (89%)
- Blue (66%)



- Cyan (44%)
- Magenta (0%)
- Yellow (70%)
- Black (11%)



- Cyan (50%)
- Magenta (11%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 8446789 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 8446789 by changing the saturation by 10% instead.



8446789

8446789

16777215

6473510

12320637

4434688

14286745

1937408

16252854

29952

16777171

23552

16777200

17152

11520

3072

0

 8446789

 8446789


 7529262

 9364316

 6611736

 10281842

 5628673

 11264905

 5628672

 12182432

 13099958

 14017485

 15000548

 15918075

 16770047

# Harmonies

## Analogous

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



14209024



8446789



60819

# Triad

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



8446789



58367



16743091

# Complementary

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



8446789



11027939

# 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.



16746239



8446789



3919103

# Square

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



8446789



61183



15837695



16748904

# Rectangle

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



8446789



61642



15837695



16743118

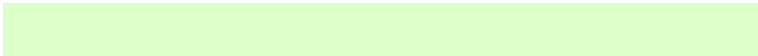


# Sweetspot

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



8446789



14548937



14919237



7110752



0



8421504



# Same Dimension

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



8446789



7995177



4580183



7107431



4436736



1258240



# Inverse Universe

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



11027939



11479551



14894545



7235443



7340211



2097203



# Previews

## White Background



This preview shows how the Decimal color 8446789 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 8446789 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 8446789 Background



This preview shows how black text looks on a background with the Decimal color 8446789.

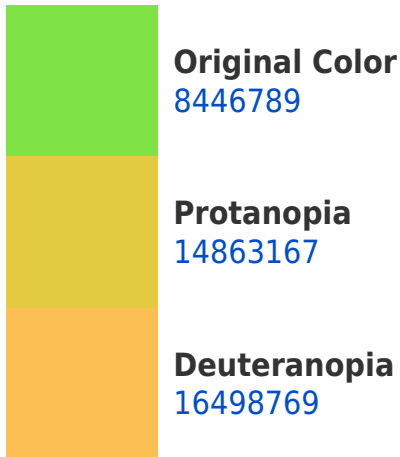


This preview shows how white text looks on a background with the Decimal color 8446789.

# 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





**Tritanopia**  
10147045

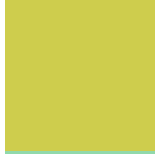
# Trichromacy



**Original Color**  
8446789



**Protanomaly**  
12506177



**Deuteranomaly**  
13552973

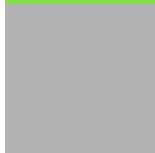


**Tritanomaly**  
9558443

# Monochromacy



**Original Color**  
8446789



**Achromatopsia**  
11776947



**Achromatomaly**  
10536075

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 8446789 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 #80E345 looks like.

```
.text, #text, p{  
    color:#80E345  
}
```

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 #80E345 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80E345
}
```

## Border

The CSS property to change the border of an element to Decimal 8446789 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
#80E345 }
```

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

```
.border{ border-color:#80E345 }
```

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

Here you see how a box with a 4 pixel #80E345 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80E345; -webkit-box-shadow:4px 4px  
4px 4px #80E345; box-shadow:4px 4px 4px  
4px #80E345 }
```

# Background

The CSS property to change the background color of an element to Decimal 8446789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80E345 }
```

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

```
.background{ background-color:#80E345 }
```

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