

# Converting Colors

Decimal(8510755)

Have a look what the booklet for  
Decimal(8510755) contains.

<b>Decimal(8510755)</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(8510755)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81DD23
RGB	129, 221, 35
RGB Percent	51%, 87%, 14%
CMY	0.4941, 0.1333, 0.8627
CMYK	0.42, 0.00, 0.84, 0.13
HSL	90°, 73%, 50%
HSV	90°, 84%, 87%
XYZ	35.2131, 56.5014, 10.6400
YIQ	172.2880, 4.8740, -77.3500

# Conversions

## Conversions Part 2

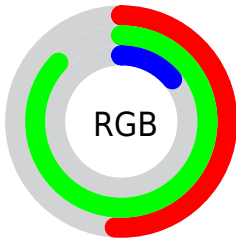
Format	Color
<a href="#">RYB</a>	<a href="#">35, 221, 127</a>
Decimal	<a href="#">8510755</a>
CIELab	<a href="#">79.90, -54.25, 73.22</a>
CIELCh	<a href="#">80, 91.126, 126.533</a>
Yxy	<a href="#">56.5014, 0.3440, 0.5520</a>
Android (android.graphics.Color)	<a href="#">4286700835 (0xFF81DD23)</a>
YUV	<a href="#">172.2880, -67.6830, -37.9636</a>
Hunter-Lab	<a href="#">75.1674, -47.9224, 44.2246</a>

# Details

The Decimal color **8510755** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **8332253**, and the grayscale version is **11382189**.

A 20% lighter version of the original color is **12386147**, and **4498688** is the 20% darker color. If you saturate the color by 10%, you get **7789837**, and if you desaturate by 10%, it is **9231673**.

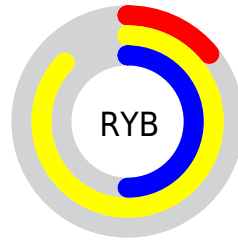
# Distribution



Red (51%)

Green (87%)

Blue (14%)



Red (14%)

Yellow (87%)

Blue (50%)

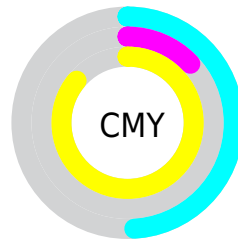


Cyan (42%)

Magenta (0%)

Yellow (84%)

Black (13%)



Cyan (49%)

Magenta (13%)

Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 8510755 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 8510755 by changing the saturation by 10% instead.





8510755



8510755

16777215



6537472



12386147



4498688



14352256



2001408



16383901



28672



16777146



22272



16777175



15872



16777205



10240



0



8510755



8510755

■ 7789837

■ 9231673

■ 7396608

■ 9952591

■ 10673509

■ 11394427

■ 12115346

■ 12836264

■ 13557182

■ 14212564

■ 14933482

# Harmonies

## Analogous

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



14469120



8510755



59518

# Triad

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



8510755



57855



16738487

# Complementary

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



8510755



8332253

# 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.



16743679



8510755



52223

# Square

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



8510755



60415



14591743



16744805

# Rectangle

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



8510755



60601



14591743



16739028

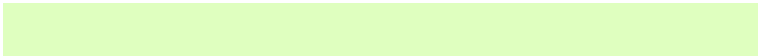


# Sweetspot

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



8510755



14679999



14515491



7176281



0



8421504



# Same Dimension

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



8510755



8519424



2546979



6844003



5811456



1519104



# Inverse Universe

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



8332253



8257791



14296029



6841198



5636269

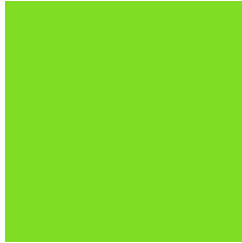


1507374



# Previews

## White Background



This preview shows how the Decimal color 8510755 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 8510755 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 8510755 Background



This preview shows how black text looks on a background with the Decimal color 8510755.



This preview shows how white text looks on a background with the Decimal color 8510755.

# 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](#).

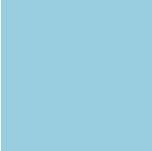
## Dichromacy



**Original Color**  
8510755

**Protanopia**  
14599452

**Deuteranopia**  
16235319



**Tritanopia**  
10145502

# Trichromacy



**Original Color**  
8510755



**Protanomaly**  
12373535



**Deuteranomaly**  
13420336

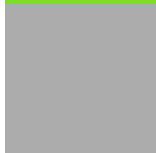


**Tritanomaly**  
9556890

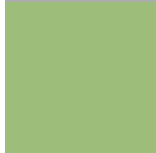
# Monochromacy



**Original Color**  
8510755



**Achromatopsia**  
11316396



**Achromatomaly**  
10272378

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 8510755 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 #81DD23 looks like.

```
.text, #text, p{  
    color:#81DD23  
}
```

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 #81DD23 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81DD23
}
```

## Border

The CSS property to change the border of an element to Decimal 8510755 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
#81DD23 }
```

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

```
.border{ border-color:#81DD23 }
```

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

Here you see how a box with a 4 pixel #81DD23 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81DD23; -webkit-box-shadow:4px 4px  
4px 4px #81DD23; box-shadow:4px 4px 4px  
4px #81DD23 }
```

# Background

The CSS property to change the background color of an element to Decimal 8510755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81DD23 }
```

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

```
.background{ background-color:#81DD23 }
```

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