

# Converting Colors

Decimal(7789909)

Have a look what the booklet for  
Decimal(7789909) contains.

<b>Decimal(7789909)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Decimal(7789909)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76DD55
RGB	118, 221, 85
RGB Percent	46%, 87%, 33%
CMY	0.5373, 0.1333, 0.6667
CMYK	0.47, 0.00, 0.62, 0.13
HSL	105°, 67%, 60%
HSV	105°, 62%, 87%
XYZ	34.9674, 56.2203, 17.6030
YIQ	174.6990, -17.7320, -64.1320

# Conversions

## Conversions Part 2

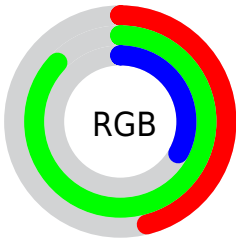
Format	Color
<a href="#">RYB</a>	<a href="#">85, 221, 188</a>
Decimal	<a href="#">7789909</a>
CIELab	<a href="#">79.74, -54.40, 56.11</a>
CIElCh	<a href="#">80, 78.153, 134.110</a>
Yxy	<a href="#">56.2203, 0.3214, 0.5168</a>
Android (android.graphics.Color)	<a href="#">4285979989 (0xFF76DD55)</a>
YUV	<a href="#">174.6990, -44.2216, -49.7250</a>
Hunter-Lab	<a href="#">74.9802, -47.9711, 38.5667</a>

# Details

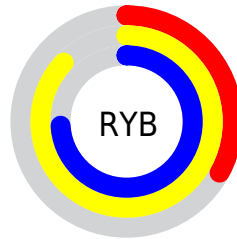
The Decimal color **7789909** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **12342749**, and the grayscale version is **11513775**.

A 20% lighter version of the original color is **11599755**, and **3777819** is the 20% darker color. If you saturate the color by 10%, you get **6675775**, and if you desaturate by 10%, it is **8904043**.

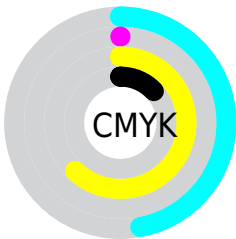
# Distribution



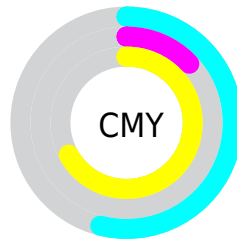
- Red (46%)
- Green (87%)
- Blue (33%)



- Red (33%)
- Yellow (87%)
- Blue (74%)



- Cyan (47%)
- Magenta (0%)
- Yellow (62%)
- Black (13%)



- Cyan (54%)
- Magenta (13%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 7789909 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 7789909 by changing the saturation by 10% instead.



 7789909

 7789909

16777215

 5816634

 11599755

 3777819

 13565863

 756224

 15531971

 28672

 16777184

 22016

16777213

 15872

 9984

 0

 7789909

 7789909

■ 6675775

■ 8904043

■ 5627177

■ 9952641

■ 4513043

■ 11066775

■ 3595520

■ 12180909

■ 13295043

■ 14343642

■ 15457776

■ 16571903

■ 16768511

# Harmonies

## Analogous

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



13290783



7789909



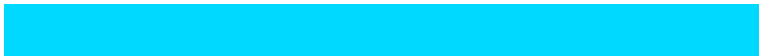
59035

# Triad

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



7789909



55807



16744358

# Complementary

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



7789909



12342749

# 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.



16745967



7789909



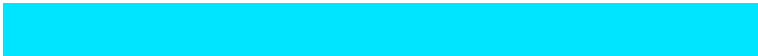
7586559

# Square

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



7789909



58879



16098303



16750179

# Rectangle

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



7789909



59598



16098303



16744127

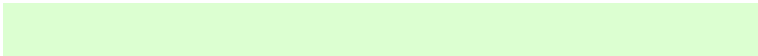


# Sweetspot

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



7789909



14483409



14531413



6979683



0



8421504



# Same Dimension

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



7789909



7405378



5627255



6647395



2796800



732672



# Inverse Universe

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



12342749



13714175



14505403



7037806



8585389



2293806



# Previews

## White Background



This preview shows how the Decimal color 7789909 looks on a white background.

## Color Contrast Check

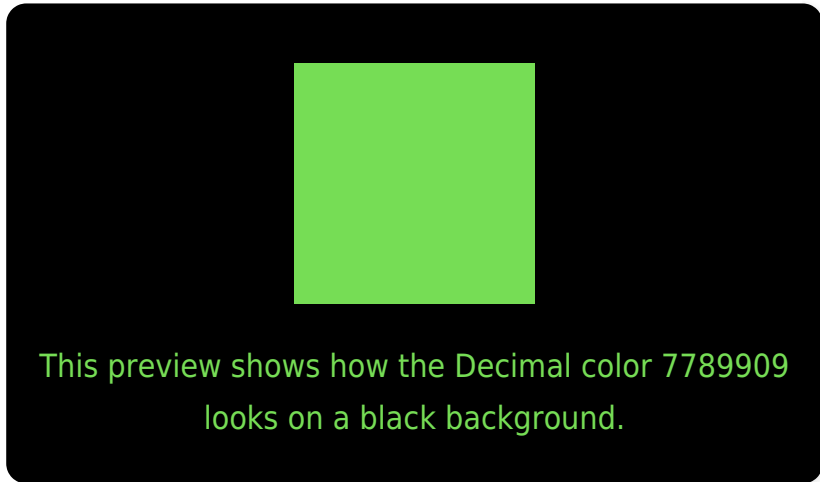
Large Text (above 18pt) WCAG AA × Fail

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 7789909 Background



This preview shows how black text looks on a background with the Decimal color 7789909.



This preview shows how white text looks on a background with the Decimal color 7789909.

# 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





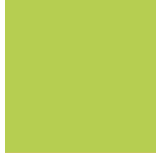
**Tritanopia**  
9424864

# Trichromacy



**Original Color**

7789909



**Protanomaly**

11980369



**Deuteranomaly**

12961627



**Tritanomaly**

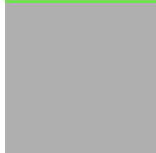
8836269

# Monochromacy



**Original Color**

7789909



**Achromatopsia**

11513775



**Achromatomaly**

10141838

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 7789909 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 #76DD55 looks like.

```
.text, #text, p{  
    color:#76DD55  
}
```

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 #76DD55 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #76DD55
}
```

## Border

The CSS property to change the border of an element to Decimal 7789909 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
#76DD55 }
```

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

```
.border{ border-color:#76DD55 }
```

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

Here you see how a box with a 4 pixel #76DD55 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #76DD55; -webkit-box-shadow:4px 4px  
4px 4px #76DD55; box-shadow:4px 4px 4px  
4px #76DD55 }
```

# Background

The CSS property to change the background color of an element to Decimal 7789909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#76DD55 }
```

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

```
.background{ background-color:#76DD55 }
```

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