

# Converting Colors

YIQ(218.8590, 37.0590,  
-71.4290)

Have a look what the booklet for  
YIQ(218.8590, 37.0590, -71.4290)  
contains.

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# Color

**YIQ(218.8590, 37.0590,  
-71.4290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2FF38
RGB	210, 255, 56
RGB Percent	82%, 100%, 22%
CMY	0.1767, 0.0000, 0.7801
CMYK	0.18, 0.00, 0.78, 0.00
HSL	74°, 100%, 61%
HSV	74°, 78%, 100%
XYZ	63.0373, 85.4993, 16.9318
YIQ	218.8590, 37.0590, -71.4290

# Conversions

## Conversions Part 2

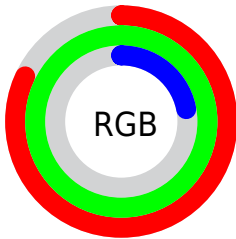
Format	Color
<a href="#">RYB</a>	<a href="#">56, 255, 101</a>
Decimal	<a href="#">13827896</a>
CIELab	<a href="#">94.10, -38.52, 82.27</a>
CIELCh	<a href="#">94, 90.846, 115.090</a>
Yxy	<a href="#">85.4993, 0.3810, 0.5167</a>
Android (android.graphics.Color)	<a href="#">4292017976 (0xFFD2FF38)</a>
YUV	<a href="#">218.8590, -80.2895, -7.7693</a>
Hunter-Lab	<a href="#">92.4658, -40.1253, 53.8692</a>

# Details

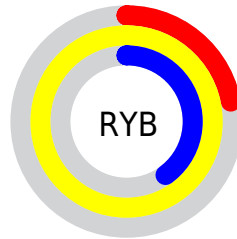
The YIQ color **218.8590, 37.0590, -71.4290** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **92.1410, -37.0590, 71.4290**, and the grayscale version is **220.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **239.4960, 43.6560, -42.2960**, and **161.3750, 35.5460, -71.5420** is the 20% darker color. If you saturate the color by 10%, you get **214.2150, 41.5080, -80.4760**, and if you desaturate by 10%, it is **223.6170, 32.2890, -62.0710**.

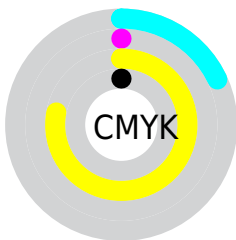
# Distribution



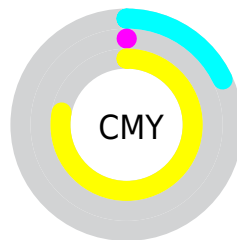
- Red (82%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (40%)



- Cyan (18%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 218.8590, 37.0590, -71.4290 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 YIQ color 218.8590, 37.0590, -71.4290 by changing the saturation by 10% instead.



 218.8590, 37.0590,  
-71.4290


 218.8590, 37.0590,  
-71.4290

255.0000, -0.0000,  
-0.0000


 186.7100, 44.4880,  
-79.4160

 239.4960, 43.6560,  
-42.2960

 161.3750, 35.5460,  
-71.5420


 242.9160, 34.0260,  
-32.9660

 136.8550, 25.6870,  
-63.5690


 246.2220, 24.7170,  
-23.9470

 112.3350, 15.8280,  
-55.5960

 249.5280, 15.4080,  
-14.9280

 88.1030, 5.0980,  
-48.3580

 252.9480, 5.7780,  
-5.5980

 63.8600, -7.0990,  
-42.0670

 40.5030, -18.9750,

-36.0870

■ 27.0020, -12.6500,  
-24.0580

■ 13.5010, -6.3250,  
-12.0290

■ 218.8590, 37.0590,  
-71.4290

■ 218.8590, 37.0590,  
-71.4290

■ 214.2150, 41.5080,  
-80.4760

■ 223.6170, 32.2890,  
-62.0710

■ 209.4570, 46.2780,  
-89.8340

■ 227.9620, 27.2440,  
-53.2360

■ 208.5880, 47.2870,  
-91.6010

■ 232.7200, 22.4740,  
-43.8780

■ 237.3640, 18.0250,  
-34.8310

■ 242.1220, 13.2550,  
-25.4730

■ 246.7660, 8.8060,  
-16.4260

■ 251.2250, 3.4400,  
-7.2800

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



214.2020, 79.0540, -56.0660



218.8590, 37.0590, -71.4290



189.5500, -63.0290, -74.7170

# Triad

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



218.8590, 37.0590, -71.4290



178.7550, -151.9800, -54.0600



195.1260, 28.0500, 53.3460

# Complementary

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



218.8590, 37.0590, -71.4290



92.1410, -37.0590, 71.4290

# 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.



211.5620, 20.3500, 38.7020



218.8590, 37.0590, -71.4290



177.5810, -151.4300, -53.0140

# Square

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



218.8590, 37.0590, -71.4290



178.7550, -151.9800, -54.0600



221.5870, -17.4700, 8.2420



189.4310, 53.7310, 22.9390



# Rectangle

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



218.8590, 37.0590, -71.4290



171.3450, -131.1150, -74.2750



221.5870, -17.4700, 8.2420



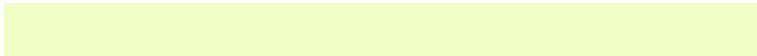
198.6480, 26.4000, 50.2080

# Sweetspot

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



218.8590, 37.0590, -71.4290



244.3870, 11.1910, -21.1050



140.7420, 106.7790, 19.6990



121.2050, 6.1920, -13.1040



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



218.8590, 37.0590, -71.4290



211.4940, 44.8560, -86.0880



189.5570, -21.3490, -92.2050



125.6210, 2.3850, -4.6790



156.3690, 35.6830, -68.5170



52.2190, 11.6040, -23.0840



# Inverse Universe

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



92.1410, -37.0590, 71.4290



58.8050, -44.2600, 86.3000



121.4430, 21.3490, 92.2050



117.3790, -2.3850, 4.6790



34.6310, -35.6830, 68.5170

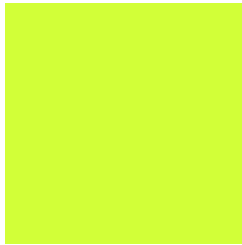


11.4820, -12.2000, 22.8720



# Previews

## White Background



This preview shows how the YIQ color 218.8590, 37.0590, -71.4290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

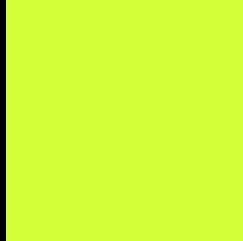
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 218.8590, 37.0590, -71.4290 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](#).

# YIQ 218.8590, 37.0590, -71.4290

## Background



This preview shows how black text looks on a background with the YIQ color 218.8590, 37.0590, -71.4290.



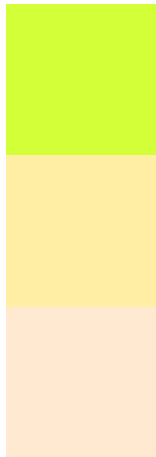
This preview shows how white text looks on a background with the YIQ color 218.8590, 37.0590, -71.4290.

-71.4290.

# 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

218.8590, 37.0590, -71.4290

### Protanopia

234.5330, 34.2070, -19.7210

### Deuteranopia

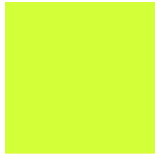
237.4290, 20.5410, -3.3230



## Tritanopia

237.8450, -9.6290, 3.8030

# Trichromacy



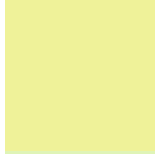
## Original Color

218.8590, 37.0590, -71.4290



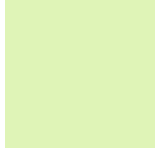
## Protanomaly

228.8250, 35.5400, -38.3800



## Deuteranomaly

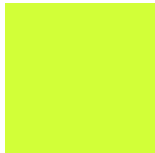
230.9570, 26.7810, -28.3150



## Tritanomaly

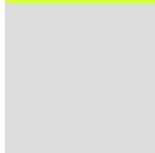
230.7670, 7.0650, -23.4230

# Monochromacy



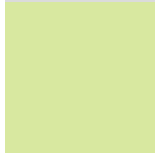
## Original Color

218.8590, 37.0590, -71.4290



## Achromatopsia

219.0000, 0.0000, -0.0000



## Achromatomaly

219.0080, 13.5760, -25.7840

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 218.8590, 37.0590, -71.4290 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 `rgb(210, 255, 56)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 56)  
}
```

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 rgb(210, 255, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 56) }
```

## Border

The CSS property to change the border of an element to YIQ 218.8590, 37.0590, -71.4290 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 rgb(210, 255, 56) }
```



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

```
.border{ border-color:rgb(210, 255, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 255, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 56);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
56) }
```

# Background

The CSS property to change the background color of an element to YIQ 218.8590, 37.0590, -71.4290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 56) }
```

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

```
.background{ background-color: rgb(210,  
255, 56) }
```

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](#).

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