

# Converting Colors

YIQ(225.7370, 40.9990,  
-54.7210)

Have a look what the booklet for  
YIQ(225.7370, 40.9990, -54.7210)  
contains.

<b>YIQ(225.7370, 40.9990, -54.7210)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(225.7370, 40.9990,  
-54.7210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7FA57
RGB	231, 250, 87
RGB Percent	91%, 98%, 34%
CMY	0.0943, 0.0196, 0.6585
CMYK	0.08, 0.00, 0.65, 0.02
HSL	67°, 94%, 66%
HSV	67°, 65%, 98%
XYZ	68.8542, 86.0479, 22.0125
YIQ	225.7370, 40.9990, -54.7210

# Conversions

## Conversions Part 2

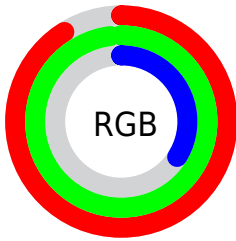
Format	Color
<a href="#">RYB</a>	<a href="#">87, 250, 106</a>
Decimal	<a href="#">15202903</a>
CIELab	<a href="#">94.33, -26.52, 72.85</a>
CIELCh	<a href="#">94, 77.523, 110.001</a>
Yxy	<a href="#">86.0479, 0.3892, 0.4864</a>
Android (android.graphics.Color)	<a href="#">4293392983 (0xFFE7FA57)</a>
YUV	<a href="#">225.7370, -68.3973, 4.6157</a>
Hunter-Lab	<a href="#">92.7620, -29.8389, 50.8638</a>

# Details

The YIQ color **225.7370, 40.9990, -54.7210** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **111.2630, -40.9990, 54.7210**, and the grayscale version is **226.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **242.3460, 35.6310, -34.5210**, and **167.2440, 43.7050, -59.7110** is the 20% darker color. If you saturate the color by 10%, you get **221.9900, 47.2360, -63.1320**, and if you desaturate by 10%, it is **229.4840, 34.7620, -46.3100**.

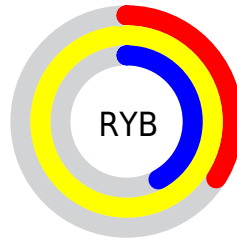
# Distribution



Red (91%)

Green (98%)

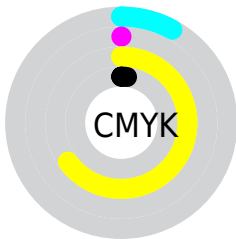
Blue (34%)



Red (34%)

Yellow (98%)

Blue (42%)

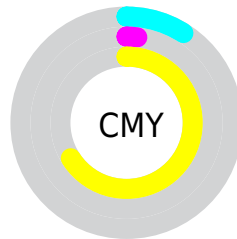


Cyan (8%)

Magenta (0%)

Yellow (65%)

Black (2%)



Cyan (9%)

Magenta (2%)

Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 225.7370, 40.9990, -54.7210 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 225.7370, 40.9990, -54.7210 by changing the saturation by 10% instead.



225.7370, 40.9990,  
-54.7210

225.7370, 40.9990,  
-54.7210

255.0000, -0.0000,  
-0.0000

196.3240, 40.7240,  
-55.2440

242.3460, 35.6310,  
-34.5210

167.3580, 43.3840,  
-59.4000

245.6520, 26.3220,  
-25.5020

140.1990, 39.5780,  
-56.5020

248.9580, 17.0130,  
-16.4830

116.5650, 30.0400,  
-48.8400

252.2640, 7.7040,  
-7.4640

93.5180, 20.2270,  
-41.7010

70.7700, 11.0100,  
-34.3500

48.3100, 0.9220,

-27.7340

■ 26.1270, -11.5040,  
-22.8000

■ 14.0880, -6.6000,  
-12.5520

■ 225.7370, 40.9990,  
-54.7210

■ 225.7370, 40.9990,  
-54.7210

■ 221.9900, 47.2360,  
-63.1320

■ 229.4840, 34.7620,  
-46.3100

■ 218.2430, 53.4730,  
-71.5430

■ 233.2310, 28.5250,  
-37.8990

■ 214.4960, 59.7100,  
-79.9540

■ 236.9780, 22.2880,  
-29.4880

■ 212.8290, 62.9660,  
-83.8980

■ 240.7250, 16.0510,  
-21.0770

■ 244.4720, 9.8140,  
-12.6660

■ 248.2190, 3.5770,  
-4.2550

■ 250.8690, -1.0090,  
1.7670

■ 251.7660, 0.7790,  
2.4030

■ 252.0650, 1.3750,  
2.6150

# Harmonies

## Analogous

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



218.3690, 63.1870, -38.3250



225.7370, 40.9990, -54.7210



207.5760, -30.3870, -60.5550

# Triad

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



225.7370, 40.9990, -54.7210



178.7550, -151.9800, -54.0600



207.4530, 22.2750, 42.3630

# Complementary

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



225.7370, 40.9990, -54.7210



111.2630, -40.9990, 54.7210

# 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.



221.5410, 15.6750, 29.8110



225.7370, 40.9990, -54.7210



178.1680, -151.7050, -53.5370

# Square

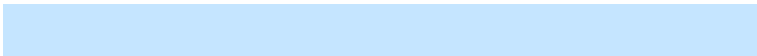
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



225.7370, 40.9990, -54.7210



178.7550, -151.9800, -54.0600



222.3960, -27.4180, 1.3020



200.2710, 42.4980, 22.7700



# Rectangle

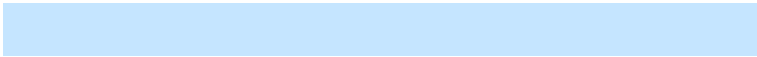
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



225.7370, 40.9990, -54.7210



170.7750, -129.5100, -75.8300



222.3960, -27.4180, 1.3020



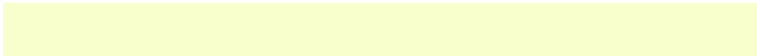
210.9750, 20.6250, 39.2250

# Sweetspot

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



225.7370, 40.9990, -54.7210



247.3920, 12.7950, -17.1330



146.8900, 91.9230, 24.6190



123.2700, 7.5670, -10.4890



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.



225.7370, 40.9990, -54.7210



225.4370, 50.1710, -66.7650



201.5180, -7.2770, -71.8930



122.9200, 2.9810, -4.4670



160.8760, 47.5570, -63.4430



51.9530, 15.4090, -20.4550



# Inverse Universe

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



111.2630, -40.9990, 54.7210



85.5630, -50.1710, 66.7650



135.7810, 7.8730, 72.1050



114.0800, -2.9810, 4.4670



28.1240, -47.5570, 63.4430

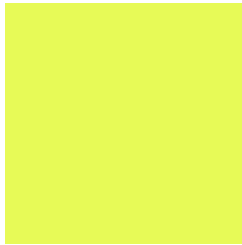


9.0470, -15.4090, 20.4550



# Previews

## White Background



This preview shows how the YIQ color 225.7370, 40.9990, -54.7210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

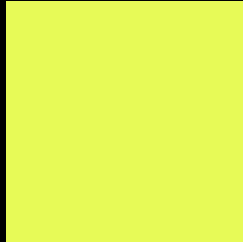
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 225.7370, 40.9990, -54.7210 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 225.7370, 40.9990, -54.7210

## Background



This preview shows how black text looks on a background with the YIQ color 225.7370, 40.9990, -54.7210.



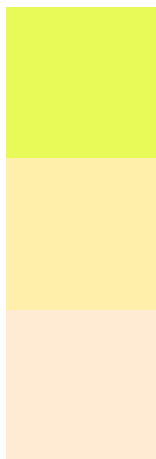
This preview shows how white text looks on a background with the YIQ color 225.7370, 40.9990, -54.7210.

-54.7210.

# 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

225.7370, 40.9990, -54.7210

### Protanopia

236.0320, 31.3640, -17.7560

### Deuteranopia

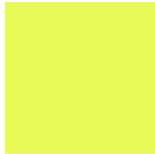
238.3580, 19.3030, -2.9130



## Tritanopia

239.9390, 1.9700, 8.3540

# Trichromacy



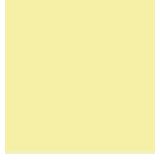
## Original Color

225.7370, 40.9990, -54.7210



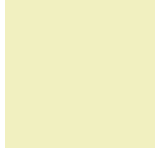
## Protanomaly

232.1550, 34.8510, -31.3970



## Deuteranomaly

233.4720, 27.0090, -21.4310



## Tritanomaly

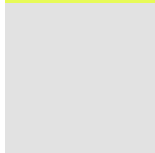
234.8270, 16.0040, -14.7160

# Monochromacy



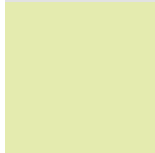
## Original Color

225.7370, 40.9990, -54.7210



## Achromatopsia

226.0000, -0.0000, 0.0000



## Achromatomaly

226.0670, 15.0880, -20.1440

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 225.7370, 40.9990, -54.7210 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(231, 250, 87)` looks like.

```
.text, #text, p{  
    color:rgb(231, 250, 87)  
}
```

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(231, 250, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 250, 87) }
```

## Border

The CSS property to change the border of an element to YIQ 225.7370, 40.9990, -54.7210 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(231, 250, 87) }
```



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

```
.border{ border-color:rgb(231, 250, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 250, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 250, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 250, 87);  
box-shadow:4px 4px 4px 4px rgb(231, 250,  
87) }
```

# Background

The CSS property to change the background color of an element to YIQ 225.7370, 40.9990, -54.7210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 250, 87) }
```

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

```
.background{ background-color: rgb(231,  
250, 87) }
```

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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