

# Converting Colors

YIQ(180.9800, -35.0610,  
-74.9730)

Have a look what the booklet for  
YIQ(180.9800, -35.0610, -74.9730)  
contains.

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# Color

**YIQ(180.9800, -35.0610,  
-74.9730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65EF5C
RGB	101, 239, 92
RGB Percent	40%, 94%, 36%
CMY	0.6043, 0.0625, 0.6392
CMYK	0.58, 0.00, 0.62, 0.06
HSL	116°, 82%, 65%
HSV	116°, 62%, 94%
XYZ	38.1697, 65.2999, 20.7161
YIQ	180.9800, -35.0610, -74.9730

# Conversions

## Conversions Part 2

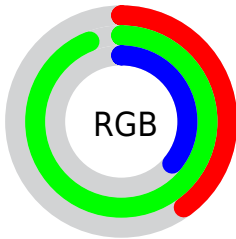
Format	Color
<a href="#">RYB</a>	<a href="#">92, 239, 230</a>
Decimal	<a href="#">6680412</a>
CIELab	<a href="#">84.64, -64.89, 58.48</a>
CIELCh	<a href="#">85, 87.359, 137.975</a>
Yxy	<a href="#">65.2999, 0.3074, 0.5258</a>
Android (android.graphics.Color)	<a href="#">4284870492</a> ( <a href="#">0xFF65EF5C</a> )
YUV	<a href="#">180.9800, -43.8671, -70.1425</a>
Hunter-Lab	<a href="#">80.8083, -57.1004, 41.3662</a>

# Details

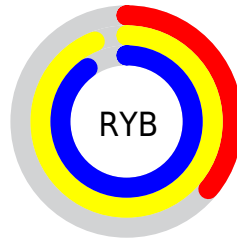
The YIQ color **180.9800, -35.0610, -74.9730** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **150.0200, 35.0610, 74.9730**, and the grayscale version is **181.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **215.1800, -20.1640, -53.0920**, and **115.1950, -52.0240, -81.4320** is the 20% darker color. If you saturate the color by 10%, you get **171.3670, -41.0650, -87.3130**, and if you desaturate by 10%, it is **190.2940, -29.6530, -62.8450**.

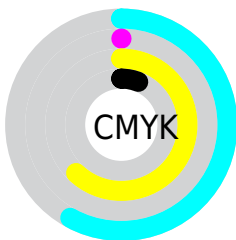
# Distribution



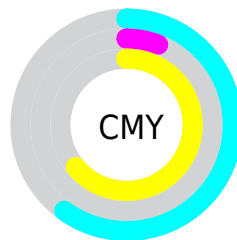
- Red (40%)
- Green (94%)
- Blue (36%)



- Red (36%)
- Yellow (94%)
- Blue (90%)



- Cyan (58%)
- Magenta (0%)
- Yellow (62%)
- Black (6%)



- Cyan (60%)
- Magenta (6%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 180.9800, -35.0610, -74.9730 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 180.9800, -35.0610, -74.9730 by changing the saturation by 10% instead.



■ 180.9800,  
-35.0610, -74.9730

■ 180.9800,  
-35.0610, -74.9730

■ 255.0000, -0.0000,  
-0.0000

■ 150.3000,  
-38.9580, -75.9340

■ 215.1800,  
-20.1640, -53.0920

■ 115.1950,  
-52.0240, -81.4320

■ 227.6410,  
-10.6760, -37.8120

■ 90.3980, -42.3500,  
-80.5420

■ 239.8030, -1.7840,  
-22.7440

■ 74.5490, -34.9250,  
-66.4210

■ 252.3780, 7.3830,  
-7.1530

■ 59.2870, -27.7750,  
-52.8230

■ 44.0250, -20.6250,  
-39.2250

■ 30.5240, -14.3000,

-27.1960

■ 14.6750, -6.8750,  
-13.0750

■ 0.0000, 0.0000,  
0.0000

■ 180.9800,  
-35.0610, -74.9730

■ 180.9800,  
-35.0610, -74.9730

■ 171.3670,  
-41.0650, -87.3130

■ 190.2940,  
-29.6530, -62.8450

■ 162.0530,  
-46.4730, -99.4410

■ 199.9070,  
-23.6490, -50.5050

■ 152.7390,  
-51.8810, -111.5690

■ 209.2210,  
-18.2410, -38.3770

■ 144.4790,  
-57.3810, -122.0290

■ 218.8340,  
-12.2370, -26.0370

■ 228.1480, -6.8290,  
-13.9090

■ 237.6470, -0.5040,  
-1.8800

■ 245.6080, 4.4000,  
8.3680

# Harmonies

## Analogous

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



191.8800, 58.9290, -71.3030



180.9800, -35.0610, -74.9730



165.4120, -124.0540, -75.5900

# Triad

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



180.9800, -35.0610, -74.9730



164.0800, -145.1050, -40.9850



171.9520, 62.9900, 36.8620

# Complementary

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



180.9800, -35.0610, -74.9730



150.0200, 35.0610, 74.9730

# 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.



182.5880, 35.7970, 61.6290



180.9800, -35.0610, -74.9730



189.7920, -54.8360, 2.6040

# Square

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



180.9800, -35.0610, -74.9730



172.8850, -149.2300, -48.8300



202.7570, 24.4750, 46.5470



180.4250, 79.0900, -1.6300



# Rectangle

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



180.9800, -35.0610, -74.9730



173.1980, -143.2220, -58.5980



202.7570, 24.4750, 46.5470



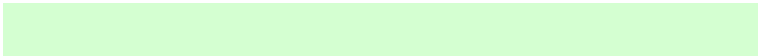
172.7960, 55.1020, 47.6620

# Sweetspot

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



180.9800, -35.0610, -74.9730



236.8990, -10.8620, -23.4220



216.3720, 49.9370, -40.4870



116.6210, -6.7830, -14.7430



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.



180.9800, -35.0610, -74.9730



180.5310, -44.8230, -96.3030



185.5850, -60.9690, -56.9770



115.3430, -2.7040, -6.0640



111.2970, -44.0440, -93.9000



33.7690, -13.6120, -28.6520



# Inverse Universe

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



150.0200, 35.0610, 74.9730



140.7680, 45.4190, 96.5150



145.4150, 60.9690, 56.9770



112.6570, 2.7040, 6.0640



72.4040, 43.4480, 93.6880

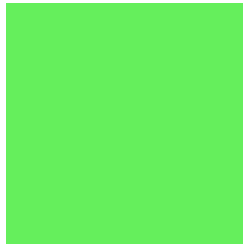


22.2310, 13.6120, 28.6520



# Previews

## White Background



This preview shows how the YIQ color 180.9800, -35.0610, -74.9730 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 180.9800, -35.0610, -74.9730 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

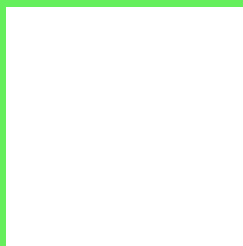
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 180.9800, -35.0610, -74.9730 Background



This preview shows how black text looks on a background with the YIQ color 180.9800, -35.0610, -74.9730.



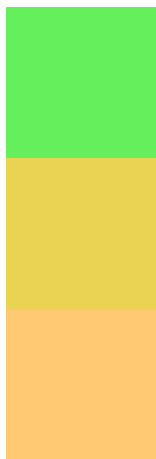
This preview shows how white text looks on a background with the YIQ color 180.9800, -35.0610, -74.9730.

-74.9730.

# 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

180.9800, -35.0610, -74.9730

### Protanopia

202.6980, 55.0710, -34.4090

### Deuteranopia

206.7550, 60.0650, -14.7750



## Tritanopia

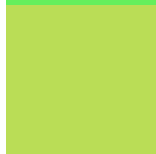
199.4410, -58.8220, -13.2700

# Trichromacy



## Original Color

180.9800, -35.0610, -74.9730



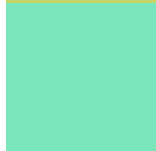
## Protanomaly

195.1450, 22.4750, -49.4050



## Deuteranomaly

197.3170, 25.4070, -36.4570



## Tritanomaly

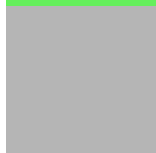
192.5180, -49.6940, -35.5340

# Monochromacy



## Original Color

180.9800, -35.0610, -74.9730



## Achromatopsia

181.0000, -0.0000, 0.0000



## Achromatomaly

181.0080, -12.7870, -27.0830

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 180.9800, -35.0610, -74.9730 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(101, 239, 92)` looks like.

```
.text, #text, p{  
    color:rgb(101, 239, 92)  
}
```

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(101, 239, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 239, 92) }
```

## Border

The CSS property to change the border of an element to YIQ 180.9800, -35.0610, -74.9730 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(101, 239, 92) }
```



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

```
.border{ border-color:rgb(101, 239, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 239, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 239, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 239, 92);  
box-shadow:4px 4px 4px 4px rgb(101, 239,  
92) }
```

# Background

The CSS property to change the background color of an element to YIQ 180.9800, -35.0610, -74.9730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 239, 92) }
```

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

```
.background{ background-color: rgb(101,  
239, 92) }
```

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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