

# Converting Colors

YIQ(159.8420, -3.2650, 53.6870)

Have a look what the booklet for  
YIQ(159.8420, -3.2650, 53.6870)  
contains.

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# Color

**YIQ(159.8420, -3.2650,  
53.6870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BE7EFF
RGB	190, 126, 255
RGB Percent	75%, 49%, 100%
CMY	0.2547, 0.5060, 0.0001
CMYK	0.25, 0.51, 0.00, 0.00
HSL	270°, 100%, 75%
HSV	270°, 51%, 100%
XYZ	46.7528, 33.0879, 98.5059
YIQ	159.8420, -3.2650, 53.6870

# Conversions

## Conversions Part 2

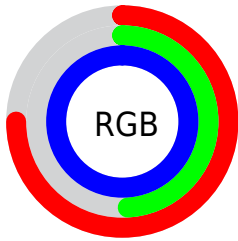
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">190, 126, 255</a>
Decimal	<a href="#">12484351</a>
CIELab	<a href="#">64.23, 48.87, -55.10</a>
CIELCh	<a href="#">64, 73.649, 311.567</a>
Yxy	<a href="#">33.0879, 0.2621, 0.1855</a>
Android (android.graphics.Color)	<a href="#">4290674431 (0xFFBE7EFF)</a>
YUV	<a href="#">159.8420, 46.9129, 26.4486</a>
Hunter-Lab	<a href="#">57.5220, 44.4179, -61.2681</a>

# Details

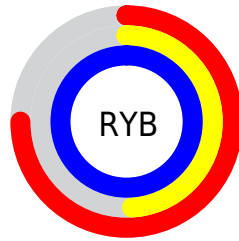
The YIQ color  $159.8420, -3.2650, 53.6870$  is a light color, and the websafe version is hex  $CC66FF$ . A complement of this color would be  $221.1580, 3.2650, -53.6870$ , and the grayscale version is  $159.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $209.1810, 17.0490, 37.9530$ , and  $105.7770, -4.6400, 51.0720$  is the 20% darker color. If you saturate the color by 10%, you get  $140.6930, -3.8630, 64.5290$ , and if you desaturate by 10%, it is  $178.4040, -2.3920, 43.3680$ .

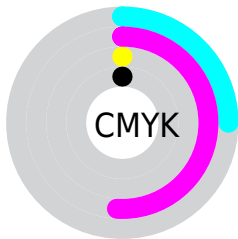
# Distribution



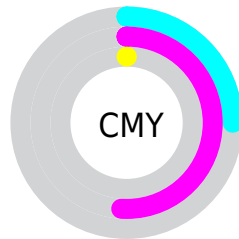
- Red (75%)
- Green (49%)
- Blue (100%)



- Red (75%)
- Yellow (49%)
- Blue (100%)



- Cyan (25%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (51%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 159.8420, -3.2650, 53.6870 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 159.8420, -3.2650, 53.6870 by changing the saturation by 10% instead.




 159.8420, -3.2650,  
53.6870


 159.8420, -3.2650,  
53.6870


255.0000, -0.0000,  
-0.0000

 132.6030, -4.0900,  
52.1180


 209.1810, 17.0490,  
37.9530


 105.7770, -4.6400,  
51.0720


 227.4110, 12.9250,  
24.5810

 79.5380, -5.4650,  
49.5030

 244.4340, 4.9500,  
9.4140

 52.5380, -5.4650,  
49.5030

 27.8750, -8.0320,  
46.4640

 15.4570, -19.0790,  
31.9050

 7.6380, -21.5070,

20.8370

■ 6.6630, -14.6280,  
11.8040

■ 3.0950, -7.3370,  
6.3190

■ 159.8420, -3.2650,  
53.6870

■ 159.8420, -3.2650,  
53.6870

■ 140.6930, -3.8630,  
64.5290

■ 178.4040, -2.3920,  
43.3680

■ 122.1310, -4.7360,  
74.8480

■ 197.5530, -1.7940,  
32.5260

■ 103.2810, -4.7380,  
85.9020

■ 216.1150, -0.9210,  
22.2070

■ 84.7190, -5.6110,  
96.2210

■ 234.9650, -0.9190,  
11.1530

■ 67.0430, -6.1630,  
106.2290

■ 253.5270, -0.0460,  
0.8340

■ 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.



129.3240, -106.0040, 4.8120



159.8420, -3.2650, 53.6870



153.7990, 60.1880, 65.6280

# Triad

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



159.8420, -3.2650, 53.6870



145.9000, 92.8490, -25.2230



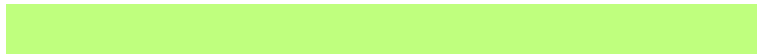
129.7020, -108.9300, -41.2980

# Complementary

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



159.8420, -3.2650, 53.6870



221.1580, 3.2650, -53.6870

# 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.



120.0750, -85.9560, -61.1880



159.8420, -3.2650, 53.6870



143.2440, 52.8730, -49.6470

# Square

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



159.8420, -3.2650, 53.6870



147.7350, 99.4890, 19.6570



134.1670, -10.1220, -58.8740



135.5960, -128.2820, -20.9700



# Rectangle

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



159.8420, -3.2650, 53.6870



143.8100, 78.8500, 57.8100



134.1670, -10.1220, -58.8740



126.4930, -101.2720, -47.9280

# Sweetspot

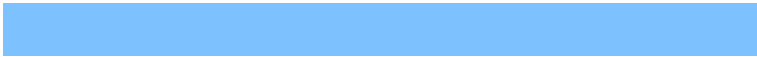
The Sweet Spot groups the original color and five complimentary colors.



159.8420, -3.2650, 53.6870



227.0130, -0.8740, 15.8460



180.0350, -59.8340, 5.0780



110.9110, -0.8270, 9.4850



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.



159.8420, -3.2650, 53.6870



140.1060, -3.5880, 65.0520



178.6790, 34.2830, 67.0430



118.2760, -0.5970, 5.3150



50.1790, -4.6910, 79.5410



16.8640, -1.4720, 26.6880



# Inverse Universe

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



171.9810, 56.0190, 47.5630



154.6500, 67.6170, 57.6410



202.3210, -34.2830, -67.0430



119.5710, 5.8220, 4.6220



68.0530, 83.0200, 70.3480

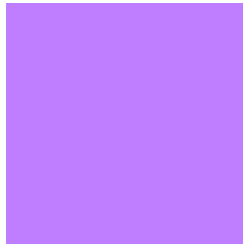


22.7840, 27.8720, 23.5200



# Previews

## White Background



This preview shows how the YIQ color 159.8420, -3.2650, 53.6870 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

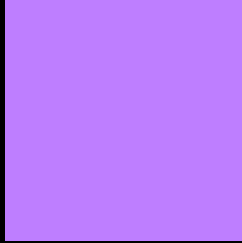
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 159.8420, -3.2650, 53.6870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

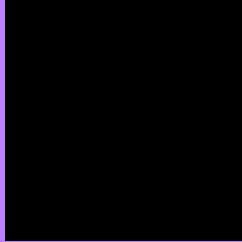
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 159.8420, -3.2650, 53.6870**

## **Background**



This preview shows how black text looks on a background with the YIQ color 159.8420, -3.2650, 53.6870.



This preview shows how white text looks on a background with the YIQ color 159.8420, -3.2650,



# 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

159.8420, -3.2650, 53.6870

### Protanopia

152.9670, -55.9860, 23.4540

### Deuteranopia

150.4560, -62.0370, 17.4750



## Tritanopia

157.5440, 10.4520, 8.8200

# Trichromacy



## Original Color

159.8420, -3.2650, 53.6870



## Protanomaly

155.4690, -36.5480, 34.6200



## Deuteranomaly

153.7950, -40.5820, 30.6340



## Tritanomaly

158.5180, 5.3140, 24.8500

# Monochromacy



## Original Color

159.8420, -3.2650, 53.6870



## Achromatopsia

160.0000, 0.0000, -0.0000



## Achromatomaly

160.2350, -1.3790, 19.4930

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 159.8420, -3.2650, 53.6870 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(190, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 126, 255)  
}
```

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(190, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 126, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 159.8420, -3.2650, 53.6870 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(190, 126, 255) }
```



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

```
.border{ border-color:rgb(190, 126, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 126,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 159.8420, -3.2650, 53.6870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 126, 255) }
```

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

```
.background{ background-color: rgb(190,  
126, 255) }
```

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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