

# Converting Colors

YIQ(153.5050, -11.0070,  
17.7690)

Have a look what the booklet for  
YIQ(153.5050, -11.0070, 17.7690)  
contains.

<b>YIQ(153.5050, -11.0070, 17.7690)</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(153.5050, -11.0070,  
17.7690)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9A91C4
RGB	154, 145, 196
RGB Percent	60%, 57%, 77%
CMY	0.3960, 0.4314, 0.2315
CMYK	0.21, 0.26, 0.00, 0.23
HSL	251°, 30%, 67%
HSV	251°, 26%, 77%
XYZ	33.4152, 31.1056, 56.4547
YIQ	153.5050, -11.0070, 17.7690

# Conversions

## Conversions Part 2

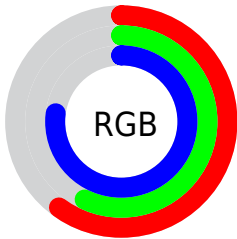
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 145, 196
Decimal	10129860
CIELab	62.60, 14.11, -25.16
CIELCh	63, 28.848, 299.284
Yxy	31.1056, 0.2762, 0.2571
Android (android.graphics.Color)	4288319940 (0xFF9A91C4)
YUV	153.5050, 20.9500, 0.4341
Hunter-Lab	55.7724, 9.3441, -20.9747

# Details

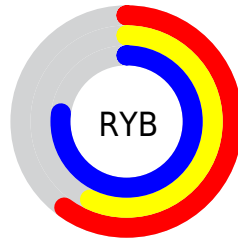
The YIQ color  $153.5050, -11.0070, 17.7690$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $187.4950, 11.0070, -17.7690$ , and the grayscale version is  $153.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $208.1460, -11.3740, 18.9140$ , and  $102.4510, -10.9150, 16.1010$  is the 20% darker color. If you saturate the color by 10%, you get  $136.9810, -15.0430, 24.8370$ , and if you desaturate by 10%, it is  $170.0290, -6.9710, 10.7010$ .

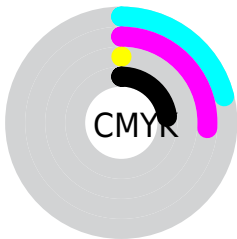
# Distribution



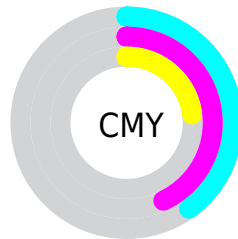
- Red (60%)
- Green (57%)
- Blue (77%)



- Red (60%)
- Yellow (57%)
- Blue (77%)



- Cyan (21%)
- Magenta (26%)
- Yellow (0%)
- Black (23%)



- Cyan (40%)
- Magenta (43%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 153.5050, -11.0070, 17.7690 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 153.5050, -11.0070, 17.7690 by changing the saturation by 10% instead.



■ 153.5050,  
-11.0070, 17.7690

■ 153.5050,  
-11.0070, 17.7690

■ 255.0000, -0.0000,  
-0.0000

■ 127.3910,  
-10.6860, 17.4580

■ 208.1460,  
-11.3740, 18.9140

■ 102.4510,  
-10.9150, 16.1010

■ 233.4810, -2.4320,  
11.0400

■ 77.9240, -10.8690,  
15.2670

■ 55.0980, -11.4190,  
14.2210

■ 33.1580, -11.6480,  
12.8640

■ 8.9950, -9.6310,  
14.8570

■ 3.3230, -7.9790,

6.9410

0.0000, 0.0000,  
0.0000

153.5050,  
-11.0070, 17.7690

153.5050,  
-11.0070, 17.7690

136.9810,  
-15.0430, 24.8370

170.0290, -6.9710,  
10.7010

121.0440,  
-19.3540, 31.3820

185.9660, -2.6600,  
4.1560

104.5200,  
-23.3900, 38.4500

202.4900, 1.3760,  
-2.9120

88.2840, -28.2970,  
44.7830

218.7260, 6.2830,  
-9.2450

71.7600, -32.3330,  
51.8510

235.2500, 10.3190,  
-16.3130

■ 55.2360, -36.3690,  
58.9190

■ 247.0780, 16.5550,  
-19.1970

■ 39.2990, -40.6800,  
65.4640

■ 248.2740, 18.9390,  
-18.3490

■ 32.8090, -42.0560,  
68.3760

# Harmonies

## Analogous

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



148.1100, -38.0560, 6.8720



153.5050, -11.0070, 17.7690



155.4280, 14.2550, 22.5030

# Triad

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



153.5050, -11.0070, 17.7690



152.1880, 40.3930, 0.3370



139.0710, -43.4610, -21.8370

# Complementary

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



153.5050, -11.0070, 17.7690



187.4950, 11.0070, -17.7690

# 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.



143.6040, -17.2810, -22.7290



153.5050, -11.0070, 17.7690



150.2800, 27.9700, -11.3100

# Square

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



153.5050, -11.0070, 17.7690



153.6480, 42.4540, 12.5500



147.0000, 8.0270, -18.8290



136.6530, -62.5350, -17.5670



# Rectangle

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



153.5050, -11.0070, 17.7690



155.1430, 28.2390, 22.3750



147.0000, 8.0270, -18.8290



140.7360, -35.2080, -22.7280

# Sweetspot

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



153.5050, -11.0070, 17.7690



238.1770, -4.6320, 6.8560



175.4680, -27.9210, -6.1050



117.0800, -2.9810, 4.4670



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.



153.5050, -11.0070, 17.7690



189.1920, -17.0150, 27.5370



160.9800, 3.8930, 23.0690



88.7380, -2.0180, 3.5340



26.7260, -34.9930, 56.0070



5.5560, -7.0170, 11.5350



# Inverse Universe

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



165.0370, 16.9140, 23.8740



207.0310, 26.2190, 36.9630



180.0200, -3.8930, -23.0690



90.9020, 3.3920, 4.6080



63.1870, 53.5840, 75.1840



12.9450, 11.0010, 15.3930



# Previews

## White Background



This preview shows how the YIQ color 153.5050, -11.0070, 17.7690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

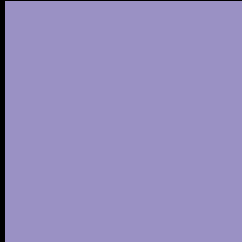
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 153.5050, -11.0070, 17.7690 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 153.5050, -11.0070, 17.7690

## Background



This preview shows how black text looks on a background with the YIQ color 153.5050, -11.0070, 17.7690.



This preview shows how white text looks on a background with the YIQ color 153.5050, -11.0070,

17.7690.

# 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

153.5050, -11.0070, 17.7690

### Protanopia

151.9980, -22.8810, 12.6950

### Deuteranopia

152.4500, -18.3420, 13.0340



## Tritanopia

151.4710, -5.6400, 3.0960

# Trichromacy



## Original Color

153.5050, -11.0070, 17.7690

## Protanomaly

152.5040, -18.4340, 14.7020

## Deuteranomaly

153.0590, -15.6830, 14.4050

## Tritanomaly

152.2630, -7.7500, 8.2980

# Monochromacy



## Original Color

153.5050, -11.0070, 17.7690

## Achromatopsia

154.0000, -0.0000, -0.0000

## Achromatomaly

153.9490, -3.9900, 6.2340

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 153.5050, -11.0070, 17.7690 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(154, 145, 196)` looks like.

```
.text, #text, p{  
    color:rgb(154, 145, 196)  
}
```

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(154, 145, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 145, 196) }
```

## Border

The CSS property to change the border of an element to YIQ 153.5050, -11.0070, 17.7690 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(154, 145, 196) }
```



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

```
.border{ border-color:rgb(154, 145, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 145, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 145, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 145, 196);  
box-shadow:4px 4px 4px 4px rgb(154, 145,  
196) }
```

# Background

The CSS property to change the background color of an element to YIQ 153.5050, -11.0070, 17.7690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 145, 196) }
```

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

```
.background{ background-color: rgb(154,  
145, 196) }
```

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