

# Converting Colors

YIQ(159.2140, 3.1140, 20.6660)

Have a look what the booklet for  
YIQ(159.2140, 3.1140, 20.6660)  
contains.

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# Color

**YIQ(159.2140, 3.1140,  
20.6660)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AF91BF
RGB	175, 145, 191
RGB Percent	69%, 57%, 75%
CMY	0.3136, 0.4314, 0.2510
CMYK	0.08, 0.24, 0.00, 0.25
HSL	279°, 26%, 66%
HSV	279°, 24%, 75%
XYZ	37.2117, 33.1252, 53.7193
YIQ	159.2140, 3.1140, 20.6660

# Conversions

## Conversions Part 2

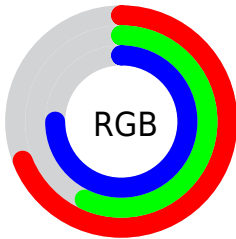
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 145, 191
Decimal	11506111
CIELab	64.26, 19.82, -19.65
CIElCh	64, 27.911, 315.244
Yxy	33.1252, 0.3000, 0.2670
Android (android.graphics.Color)	4289696191 (0xFFAF91BF)
YUV	159.2140, 15.6705, 13.8443
Hunter-Lab	57.5545, 14.6883, -15.0510

# Details

The YIQ color  $159.2140, 3.1140, 20.6660$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $176.7860, -3.1140, -20.6660$ , and the grayscale version is  $159.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $214.0400, 3.6640, 21.7120$ , and  $107.2740, 2.8850, 19.3090$  is the 20% darker color. If you saturate the color by 10%, you get  $145.9680, 4.1670, 29.1190$ , and if you desaturate by 10%, it is  $172.4600, 2.0610, 12.2130$ .

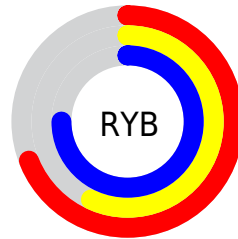
# Distribution



Red (69%)

Green (57%)

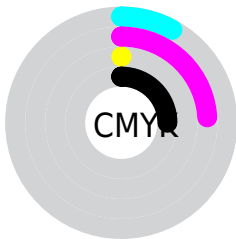
Blue (75%)



Red (69%)

Yellow (57%)

Blue (75%)

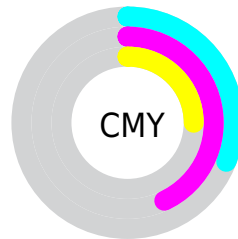


Cyan (8%)

Magenta (24%)

Yellow (0%)

Black (25%)



Cyan (31%)

Magenta (43%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 159.2140, 3.1140, 20.6660 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 159.2140, 3.1140, 20.6660 by changing the saturation by 10% instead.



■ 159.2140, 3.1140,  
20.6660

■ 159.2140, 3.1140,  
20.6660

■ 255.0000, -0.0000,  
-0.0000

■ 132.8010, 2.8390,  
20.1430

■ 214.0400, 3.6640,  
21.7120

■ 107.2740, 2.8850,  
19.3090

■ 238.5640, 7.7000,  
14.6440

■ 82.8610, 2.6100,  
18.7860

■ 59.9210, 2.3810,  
17.4290

■ 37.2090, 1.5100,  
16.6940

■ 14.6330, 3.2520,  
18.1640

■ 2.8670, -6.6950,

5.6970

■ 0.0000, 0.0000,  
0.0000

■ 159.2140, 3.1140,  
20.6660

■ 159.2140, 3.1140,  
20.6660

■ 145.9680, 4.1670,  
29.1190

■ 172.4600, 2.0610,  
12.2130

■ 133.0210, 5.8160,  
37.7840

■ 185.4070, 0.4120,  
3.5480

■ 119.7750, 6.8690,  
46.2370

■ 198.6530, -0.6410,  
-4.9050

■ 106.8280, 8.5180,  
54.9020

■ 211.8990, -1.6940,  
-13.3580

■ 92.9950, 9.8460,  
63.8780

■ 224.8460, -3.3430,  
-22.0230

79.7490, 10.8990,  
72.3310

235.7440, -3.2960,  
-28.3840

66.8020, 12.5480,  
80.9960

237.5380, 0.2800,  
-27.1120

59.1490, 13.1890,  
85.9010

239.6310, 4.4520,  
-25.6280

241.7240, 8.6240,  
-24.1440

# Harmonies

## Analogous

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



156.1120, -23.2020, 13.0060



159.2140, 3.1140, 20.6660



159.7620, 24.9380, 21.6260

# Triad

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



159.2140, 3.1140, 20.6660



155.3780, 33.7460, -5.8540



142.8620, -52.9980, -19.7020

# Complementary

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



159.2140, 3.1140, 20.6660



176.7860, -3.1140, -20.6660

# 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.



146.1880, -30.6690, -22.3890



159.2140, 3.1140, 20.6660



152.7840, 17.5630, -15.4370

# Square

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



159.2140, 3.1140, 20.6660



157.2470, 41.9050, 5.9770



150.0030, -5.2230, -20.9910



143.3100, -59.8310, -11.5030



# Rectangle

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



159.2140, 3.1140, 20.6660



159.0420, 35.7130, 19.0810



150.0030, -5.2230, -20.9910



143.9290, -45.9370, -21.0170

# Sweetspot

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



159.2140, 3.1140, 20.6660



235.2270, 1.0990, 7.6190



159.6360, -19.1660, 5.9380



117.9340, 0.3660, 4.3820



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



159.2140, 3.1140, 20.6660



197.8480, 4.6250, 31.8330



163.2000, 14.8970, 21.8810



87.8200, 0.6870, 4.0710



48.8090, 10.6700, 70.9740



9.5140, 1.9690, 13.8810



# Inverse Universe

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



160.5780, 22.2800, 14.7280



200.0790, 34.2910, 22.8270



172.8000, -14.8970, -21.8810



88.0330, 4.4010, 2.8410



53.5120, 76.5130, 50.6010

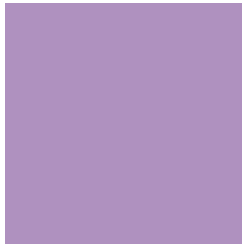


10.5230, 14.9450, 9.9930



# Previews

## White Background



This preview shows how the YIQ color 159.2140, 3.1140, 20.6660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

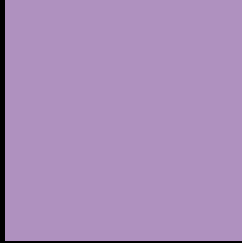
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 159.2140, 3.1140, 20.6660 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

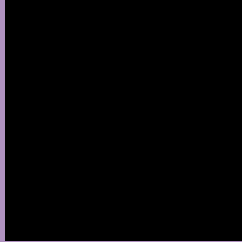
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 159.2140, 3.1140, 20.6660

## Background



This preview shows how black text looks on a background with the YIQ color 159.2140, 3.1140, 20.6660.



This preview shows how white text looks on a background with the YIQ color 159.2140, 3.1140,



# 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

159.2140, 3.1140, 20.6660

### Protanopia

156.3250, -19.4880, 11.7760

### Deuteranopia

157.5170, -11.2810, 11.7190



## Tritanopia

157.6470, 8.6640, 8.1840

# Trichromacy



## Original Color

159.2140, 3.1140, 20.6660

## Protanomaly

157.5110, -11.1440, 14.7440

## Deuteranomaly

158.1480, -5.6880, 14.9840

## Tritanomaly

158.0260, 6.2790, 12.8630

# Monochromacy



## Original Color

159.2140, 3.1140, 20.6660

## Achromatopsia

159.0000, -0.0000, 0.0000

## Achromatomaly

159.2270, 1.0990, 7.6190

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 159.2140, 3.1140, 20.6660 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(175, 145, 191)` looks like.

```
.text, #text, p{  
    color:rgb(175, 145, 191)  
}
```

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(175, 145, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 145, 191) }
```

## Border

The CSS property to change the border of an element to YIQ 159.2140, 3.1140, 20.6660 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".

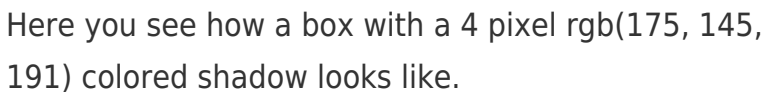
```
.border, #border, table{ border:4px solid rgb(175, 145, 191) }
```



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

```
.border{ border-color:rgb(175, 145, 191) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 145, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 145, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 145, 191); box-shadow:4px 4px 4px 4px rgb(175, 145, 191) }
```

# Background

The CSS property to change the background color of an element to YIQ 159.2140, 3.1140, 20.6660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 145, 191) }
```

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

```
.background{ background-color: rgb(175,  
145, 191) }
```

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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