

# Converting Colors

YIQ(153.6800, 5.0380, 29.8540)

Have a look what the booklet for  
YIQ(153.6800, 5.0380, 29.8540)  
contains.

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# Color

**YIQ(153.6800, 5.0380,  
29.8540)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B185C7
RGB	177, 133, 199
RGB Percent	69%, 52%, 78%
CMY	0.3057, 0.4785, 0.2196
CMYK	0.11, 0.33, 0.00, 0.22
HSL	280°, 37%, 65%
HSV	280°, 33%, 78%
XYZ	36.8328, 30.2447, 57.9245
YIQ	153.6800, 5.0380, 29.8540

# Conversions

## Conversions Part 2

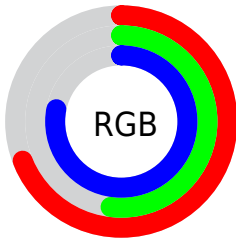
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 133, 199
Decimal	11634119
CIE <sub>Lab</sub>	61.86, 28.91, -27.81
CIE <sub>LCh</sub>	62, 40.110, 316.113
Yxy	30.2447, 0.2947, 0.2420
Android (android.graphics.Color)	4289824199 (0xFFB185C7)
YUV	153.6800, 22.3428, 20.4516
Hunter-Lab	54.9952, 23.3083, -23.9515

# Details

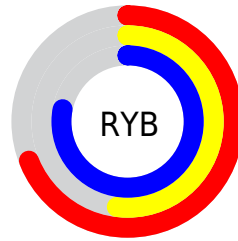
The YIQ color  $153.6800, 5.0380, 29.8540$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $178.3200, -5.0380, -29.8540$ , and the grayscale version is  $153.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $208.5060, 5.5880, 30.9000$ , and  $102.0280, 3.9380, 27.7620$  is the 20% darker color. If you saturate the color by 10%, you get  $139.8470, 6.3660, 38.8300$ , and if you desaturate by 10%, it is  $167.5130, 3.7100, 20.8780$ .

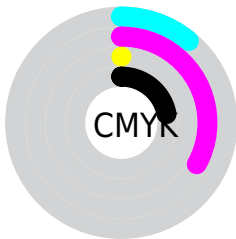
# Distribution



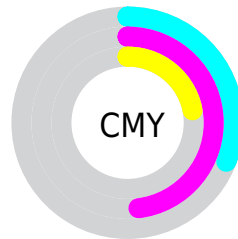
- Red (69%)
- Green (52%)
- Blue (78%)



- Red (69%)
- Yellow (52%)
- Blue (78%)



- Cyan (11%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)



- Cyan (31%)
- Magenta (48%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 153.6800, 5.0380, 29.8540 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 153.6800, 5.0380, 29.8540 by changing the saturation by 10% instead.



■ 153.6800, 5.0380,  
29.8540

■ 153.6800, 5.0380,  
29.8540

255.0000, -0.0000,  
-0.0000

■ 127.2670, 4.7630,  
29.3310

■ 208.5060, 5.5880,  
30.9000

■ 102.0280, 3.9380,  
27.7620

■ 231.5200, 11.0000,  
20.9200

■ 77.5010, 3.9840,  
26.9280

■ 247.9560, 3.3000,  
6.2760

■ 53.6750, 3.4340,  
25.8820

■ 30.2620, 3.1590,  
25.3590

■ 14.1430, 1.8760,  
21.0760

■ 3.5510, -8.6210,

7.5630

■ 0.0000, 0.0000,  
0.0000

■ 153.6800, 5.0380,  
29.8540

■ 153.6800, 5.0380,  
29.8540

■ 139.8470, 6.3660,  
38.8300

■ 167.5130, 3.7100,  
20.8780

■ 126.3130, 8.2900,  
48.0180

■ 181.0470, 1.7860,  
11.6900

■ 112.4800, 9.6180,  
56.9940

■ 194.8800, 0.4580,  
2.7140

■ 98.9460, 11.5420,  
66.1820

■ 208.7130, -0.8700,  
-6.2620

■ 85.1130, 12.8700,  
75.1580

■ 221.6600, -2.5190,  
-14.9270

71.8670, 13.9230,  
83.6110

235.4930, -3.8470,  
-23.9030

62.4530, 15.3890,  
90.0850

239.0480, -1.0960,  
-24.2000

241.1410, 3.0760,  
-22.7160

243.2340, 7.2480,  
-21.2320

# Harmonies

## Analogous

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



148.5270, -34.4360, 18.3640



153.6800, 5.0380, 29.8540



153.5450, 36.2150, 32.0150

# Triad

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



153.6800, 5.0380, 29.8540



148.0880, 46.1260, -9.9540



117.7680, -100.1280, -35.6160

# Complementary

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



153.6800, 5.0380, 29.8540



178.3200, -5.0380, -29.8540

# 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.



131.2020, -51.6200, -33.6680



153.6800, 5.0380, 29.8540



144.5640, 23.7540, -23.0140

# Square

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



153.6800, 5.0380, 29.8540



149.6140, 56.9890, 7.9410



140.1670, -8.9810, -29.9810



119.6550, -109.5750, -24.0950



# Rectangle

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



153.6800, 5.0380, 29.8540



152.2120, 50.1540, 27.1940



140.1670, -8.9810, -29.9810



116.4000, -96.2760, -39.3480

# Sweetspot

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



153.6800, 5.0380, 29.8540



237.9330, 2.1070, 11.3790



153.4380, -27.2360, 9.0200



116.8140, 0.8240, 7.0960



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.



153.6800, 5.0380, 29.8540



184.9600, 7.7860, 46.1380



159.0040, 21.6810, 31.0970



92.8200, 0.6870, 4.0710



51.1730, 12.6410, 73.8010



11.2800, 2.7480, 16.2840



# Inverse Universe

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



155.2420, 32.2740, 20.8340



187.3740, 49.8780, 32.1980



172.9960, -21.6810, -31.0970



93.0330, 4.4010, 2.8410



54.8930, 79.8140, 51.3500



12.1320, 17.6040, 11.3640



# Previews

## White Background



This preview shows how the YIQ color 153.6800, 5.0380, 29.8540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

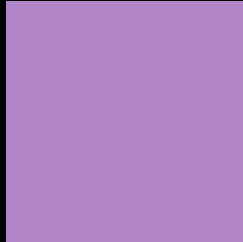
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 153.6800, 5.0380, 29.8540 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

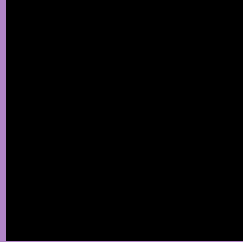
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 153.6800, 5.0380, 29.8540

## Background



This preview shows how black text looks on a background with the YIQ color 153.6800, 5.0380, 29.8540.



This preview shows how white text looks on a background with the YIQ color 153.6800, 5.0380,



# 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

153.6800, 5.0380, 29.8540

### Protanopia

149.6860, -30.6300, 15.4660

### Deuteranopia

150.1940, -20.4970, 13.5430



## Tritanopia

151.6260, 13.1570, 9.3570

# Trichromacy



## Original Color

153.6800, 5.0380, 29.8540

## Protanomaly

151.3780, -17.8390, 20.4410

## Deuteranomaly

151.5590, -11.0990, 19.4370

## Tritanomaly

152.7000, 10.3130, 16.8490

# Monochromacy



## Original Color

153.6800, 5.0380, 29.8540

## Achromatopsia

154.0000, -0.0000, -0.0000

## Achromatomaly

153.5200, 1.8320, 10.8560

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 153.6800, 5.0380, 29.8540 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(177, 133, 199)` looks like.

```
.text, #text, p{  
    color:rgb(177, 133, 199)  
}
```

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(177, 133, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 133, 199) }
```

## Border

The CSS property to change the border of an element to YIQ 153.6800, 5.0380, 29.8540 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(177, 133, 199) }
```



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

```
.border{ border-color:rgb(177, 133, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 133, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 133, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 133, 199);  
box-shadow:4px 4px 4px 4px rgb(177, 133,  
199) }
```

# Background

The CSS property to change the background color of an element to YIQ 153.6800, 5.0380, 29.8540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 133, 199) }
```

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

```
.background{ background-color: rgb(177,  
133, 199) }
```

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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