

# Converting Colors

YIQ(178.3820, -5.3260, 41.4740)

Have a look what the booklet for  
YIQ(178.3820, -5.3260, 41.4740)  
contains.

<b>YIQ(178.3820, -5.3260, 41.4740)</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(178.3820, -5.3260,  
41.4740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C799FF
RGB	199, 153, 255
RGB Percent	78%, 60%, 100%
CMY	0.2194, 0.4001, 0.0001
CMYK	0.22, 0.40, 0.00, 0.00
HSL	267°, 100%, 80%
HSV	267°, 40%, 100%
XYZ	52.9989, 42.1427, 99.9272
YIQ	178.3820, -5.3260, 41.4740

# Conversions

## Conversions Part 2

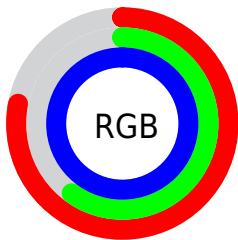
Format	Color
R <sub>Y</sub> B	199, 153, 255
Decimal	13081087
CIE Lab	70.97, 36.67, -44.41
CIE LCh	71, 57.597, 309.548
Yxy	42.1427, 0.2717, 0.2160
Android (android.graphics.Color)	4291271167 (0xFFC799FF)
YUV	178.3820, 37.7727, 18.0820
Hunter-Lab	64.9174, 32.1227, -45.8227

# Details

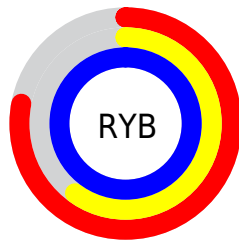
The YIQ color  $178.3820, -5.3260, 41.4740$  is a light color, and the websafe version is hex  $CC99FF$ . A complement of this color would be  $229.6180, 5.3260, -41.4740$ , and the grayscale version is  $178.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $227.4110, 12.9250, 24.5810$ , and  $124.6160, -6.1050, 39.0710$  is the 20% darker color. If you saturate the color by 10%, you get  $158.9340, -6.5200, 52.1040$ , and if you desaturate by 10%, it is  $197.2430, -3.8570, 31.3670$ .

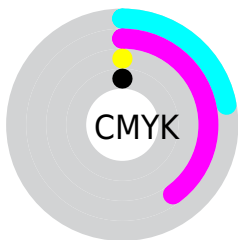
# Distribution



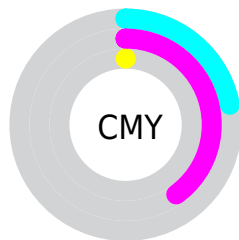
- Red (78%)
- Green (60%)
- Blue (100%)



- Red (78%)
- Yellow (60%)
- Blue (100%)



- Cyan (22%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (40%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 178.3820, -5.3260, 41.4740 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 178.3820, -5.3260, 41.4740 by changing the saturation by 10% instead.



178.3820, -5.3260,  
41.4740

178.3820, -5.3260,  
41.4740

255.0000, -0.0000,  
-0.0000

151.4420, -5.5550,  
40.1170

227.4110, 12.9250,  
24.5810

124.6160, -6.1050,  
39.0710

243.8470, 5.2250,  
9.9370

98.6760, -6.3340,  
37.7140

73.7360, -6.5630,  
36.3570

49.1980, -7.9840,  
34.5760

24.1870, -9.4510,  
33.6290

11.6390, -14.0800,

23.9040

■ 6.8910, -15.2700,  
12.4260

■ 3.2090, -7.6580,  
6.6300

■ 178.3820, -5.3260,  
41.4740

■ 178.3820, -5.3260,  
41.4740

■ 158.9340, -6.5200,  
52.1040

■ 197.2430, -3.8570,  
31.3670

■ 140.0730, -7.9890,  
62.2110

■ 216.6910, -2.6630,  
20.7370

■ 120.6250, -9.1830,  
72.8410

■ 235.5520, -1.1940,  
10.6300

■ 101.7640,  
-10.6520, 82.9480

■ 255.0000, -0.0000,  
-0.0000

■ 82.3160, -11.8460,  
93.5780

■ 63.4550, -13.3150,  
103.6850

# Harmonies

## Analogous

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



163.7990, -64.7410, 11.4110



178.3820, -5.3260, 41.4740



177.8750, 44.6940, 49.0620

# Triad

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



178.3820, -5.3260, 41.4740



170.4360, 71.3890, -10.7470



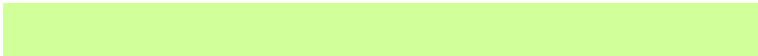
138.9460, -115.6690, -45.8210

# Complementary

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



178.3820, -5.3260, 41.4740



229.6180, 5.3260, -41.4740

# 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.



141.7930, -76.0540, -53.4140



178.3820, -5.3260, 41.4740



166.5210, 42.5080, -32.5000

# Square

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



178.3820, -5.3260, 41.4740



169.6770, 79.0410, 15.7850



160.8450, -2.7430, -43.9190



142.8850, -130.8940, -28.7020



# Rectangle

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



178.3820, -5.3260, 41.4740



170.9720, 60.2380, 42.6860



160.8450, -2.7430, -43.9190



136.3070, -109.6160, -50.8960

# Sweetspot

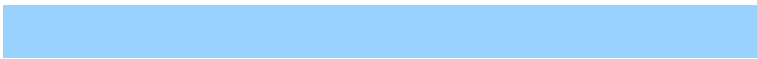
The Sweet Spot groups the original color and five complimentary colors.



178.3820, -5.3260, 41.4740



231.7200, -1.6070, 12.6090



197.5000, -48.1420, 2.4340



114.4440, -1.0100, 7.2940



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.



178.3820, -5.3260, 41.4740



163.3530, -6.3820, 49.6020



193.6310, 25.0700, 52.2860



118.2760, -0.5970, 5.3150



47.4880, -10.0550, 77.6330



15.9670, -3.2600, 26.0520



# Inverse Universe

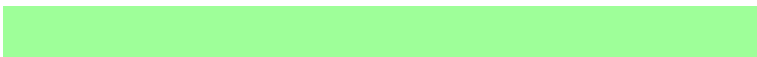
The Inverse Universe completely reimagines the original color for something new.



189.8820, 42.8160, 39.0400



177.1160, 51.2050, 46.7010



214.3690, -25.0700, -52.2860



119.6850, 5.5010, 4.9330



69.0790, 80.1310, 73.1470

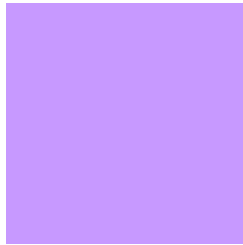


23.1260, 26.9090, 24.4530



# Previews

## White Background



This preview shows how the YIQ color 178.3820, -5.3260, 41.4740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

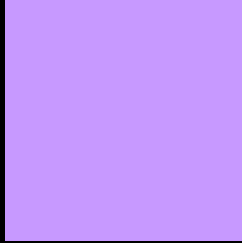
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 178.3820, -5.3260, 41.4740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

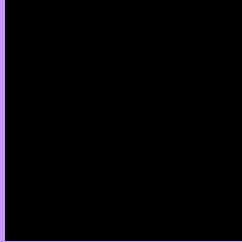
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 178.3820, -5.3260, 41.4740

## Background



This preview shows how black text looks on a background with the YIQ color 178.3820, -5.3260, 41.4740.



This preview shows how white text looks on a background with the YIQ color 178.3820, -5.3260,

41.4740.

# 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

178.3820, -5.3260, 41.4740

### Protanopia

172.8020, -42.4600, 20.6120

### Deuteranopia

172.3350, -42.6430, 18.4210



## Tritanopia

175.5650, 5.9590, 7.6470

# Trichromacy



## Original Color

178.3820, -5.3260, 41.4740

## Protanomaly

174.6730, -28.6150, 28.5130

## Deuteranomaly

174.3200, -29.1190, 26.6330

## Tritanomaly

176.6160, 1.9220, 20.2420

# Monochromacy



## Original Color

178.3820, -5.3260, 41.4740

## Achromatopsia

178.0000, -0.0000, -0.0000

## Achromatomaly

178.3010, -1.7450, 15.1110

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 178.3820, -5.3260, 41.4740 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(199, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 153, 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(199, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 153, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 178.3820, -5.3260, 41.4740 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(199, 153, 255) }
```



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

```
.border{ border-color:rgb(199, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 153,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 178.3820, -5.3260, 41.4740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 153, 255) }
```

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

```
.background{ background-color: rgb(199,  
153, 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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