

# Converting Colors

YIQ(176.0160, -4.9560, 23.7480)

Have a look what the booklet for  
YIQ(176.0160, -4.9560, 23.7480)  
contains.

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# Color

**YIQ(176.0160, -4.9560,  
23.7480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAA2DE
RGB	186, 162, 222
RGB Percent	73%, 64%, 87%
CMY	0.2705, 0.3647, 0.1295
CMYK	0.16, 0.27, 0.00, 0.13
HSL	264°, 48%, 75%
HSV	264°, 27%, 87%
XYZ	46.3567, 41.5523, 74.6725
YIQ	176.0160, -4.9560, 23.7480

# Conversions

## Conversions Part 2

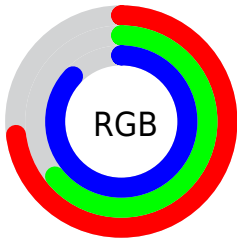
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 162, 222
Decimal	12231390
CIELab	70.56, 20.47, -27.13
CIELCh	71, 33.983, 307.032
Yxy	41.5523, 0.2851, 0.2556
Android (android.graphics.Color)	4290421470 (0xFFBAA2DE)
YUV	176.0160, 22.6701, 8.7560
Hunter-Lab	64.4611, 15.5600, -23.5595

# Details

The YIQ color  $176.0160, -4.9560, 23.7480$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $207.9840, 4.9560, -23.7480$ , and the grayscale version is  $176.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $229.1060, 3.2980, 17.3300$ , and  $123.0760, -5.1850, 22.3910$  is the 20% darker color. If you saturate the color by 10%, you get  $159.2150, -6.6540, 32.4980$ , and if you desaturate by 10%, it is  $192.8170, -3.2580, 14.9980$ .

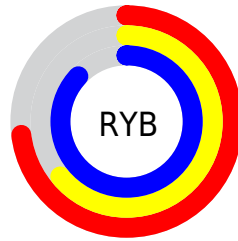
# Distribution



Red (73%)

Green (64%)

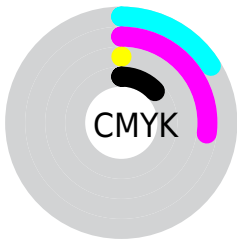
Blue (87%)



Red (73%)

Yellow (64%)

Blue (87%)

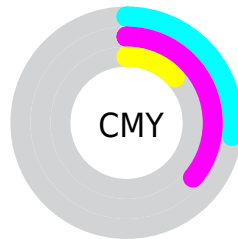


Cyan (16%)

Magenta (27%)

Yellow (0%)

Black (13%)



Cyan (27%)

Magenta (36%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 176.0160, -4.9560, 23.7480 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 176.0160, -4.9560, 23.7480 by changing the saturation by 10% instead.



176.0160, -4.9560,  
23.7480

176.0160, -4.9560,  
23.7480

255.0000, -0.0000,  
-0.0000

149.4890, -4.9100,  
22.9140

229.1060, 3.2980,  
17.3300

123.0760, -5.1850,  
22.3910

249.1300, 2.7500,  
5.2300

98.1360, -5.4140,  
21.0340

73.6090, -5.3680,  
20.2000

50.7830, -5.9180,  
19.1540

28.8430, -6.1470,  
17.7970

10.0990, -3.9920,

17.2880

■ 3.0950, -7.3370,  
6.3190

■ 0.0000, 0.0000,  
0.0000

■ 176.0160, -4.9560,  
23.7480

■ 176.0160, -4.9560,  
23.7480

■ 159.2150, -6.6540,  
32.4980

■ 192.8170, -3.2580,  
14.9980

■ 142.1150, -8.9480,  
41.0360

■ 209.9170, -0.9640,  
6.4600

■ 124.7270,  
-10.3710, 50.3090

■ 227.3050, 0.4590,  
-2.8130

■ 107.9260,  
-12.0690, 59.0590

■ 244.1060, 2.1570,  
-11.5630

■ 90.8260, -14.3630,  
67.5970

■ 250.6400, 9.4010,  
-10.6870

■ 74.0250, -16.0610,  
76.3470

■ 251.2380, 10.5930,  
-10.2630

■ 57.2240, -17.7590,  
85.0970

■ 51.9190, -18.2180,  
87.9100

# Harmonies

## Analogous

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



170.6850, -38.0570, 12.3990



176.0160, -4.9560, 23.7480



177.4510, 24.6160, 27.4640

# Triad

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



176.0160, -4.9560, 23.7480



172.8910, 45.4830, -3.8050



155.2690, -61.7540, -26.2180

# Complementary

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



176.0160, -4.9560, 23.7480



207.9840, 4.9560, -23.7480

# 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.



161.2110, -29.4760, -27.4920



176.0160, -4.9560, 23.7480



170.1180, 28.2460, -16.3140

# Square

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



176.0160, -4.9560, 23.7480



174.4980, 51.6240, 11.5600



166.4890, 1.9760, -24.8080



153.0190, -81.2410, -19.9690



# Rectangle

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



176.0160, -4.9560, 23.7480



176.4110, 39.2880, 25.8800



166.4890, 1.9760, -24.8080



157.3040, -51.6670, -27.3070

# Sweetspot

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



176.0160, -4.9560, 23.7480



239.6720, -1.6520, 7.9160



189.9720, -29.1600, -0.1680



117.9770, -1.1930, 5.1030



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.



176.0160, -4.9560, 23.7480



192.2150, -6.6540, 32.4980



184.9860, 12.9240, 30.1080



103.4500, -1.1470, 4.2690



40.9940, -14.7760, 69.5760



11.1530, -4.0840, 18.9560



# Inverse Universe

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



184.0440, 24.2040, 23.9160



203.1040, 33.1430, 32.6230



199.0140, -12.9240, -30.1080



105.0870, 4.3090, 4.5090



64.5940, 71.1910, 69.9670

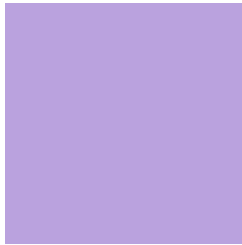


17.6580, 19.2990, 19.1950



# Previews

## White Background



This preview shows how the YIQ color 176.0160, -4.9560, 23.7480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

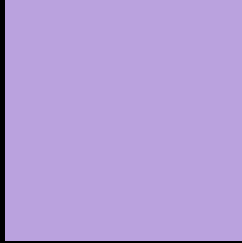
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 176.0160, -4.9560, 23.7480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

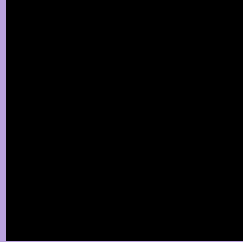
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 176.0160, -4.9560, 23.7480

## Background



This preview shows how black text looks on a background with the YIQ color 176.0160, -4.9560, 23.7480.



This preview shows how white text looks on a background with the YIQ color 176.0160, -4.9560,



# 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

176.0160, -4.9560, 23.7480

### Protanopia

173.3120, -26.6410, 14.7590

### Deuteranopia

173.9060, -19.6260, 14.2780



## Tritanopia

173.5860, 1.4660, 6.4740

# Trichromacy



## Original Color

176.0160, -4.9560, 23.7480

## Protanomaly

174.6120, -18.6180, 18.0380

## Deuteranomaly

174.6510, -14.3540, 17.8540

## Tritanomaly

174.3180, -0.4150, 13.0330

# Monochromacy



## Original Color

176.0160, -4.9560, 23.7480

## Achromatopsia

176.0000, -0.0000, -0.0000

## Achromatomaly

176.1990, -1.6980, 8.7500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 176.0160, -4.9560, 23.7480 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(186, 162, 222)` looks like.

```
.text, #text, p{  
    color:rgb(186, 162, 222)  
}
```

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(186, 162, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 162, 222) }
```

## Border

The CSS property to change the border of an element to YIQ 176.0160, -4.9560, 23.7480 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(186, 162, 222) }
```



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

```
.border{ border-color:rgb(186, 162, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 162, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 162, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 162, 222);  
box-shadow:4px 4px 4px 4px rgb(186, 162,  
222) }
```

# Background

The CSS property to change the background color of an element to YIQ 176.0160, -4.9560, 23.7480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 162, 222) }
```

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

```
.background{ background-color: rgb(186,  
162, 222) }
```

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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