

# Converting Colors

YIQ(151.0410, 3.0640, 43.6080)

Have a look what the booklet for  
YIQ(151.0410, 3.0640, 43.6080)  
contains.

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# Color

**YIQ(151.0410, 3.0640,  
43.6080)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B57ADE
RGB	181, 122, 222
RGB Percent	71%, 48%, 87%
CMY	0.2900, 0.5217, 0.1295
CMYK	0.18, 0.45, 0.00, 0.13
HSL	275°, 60%, 67%
HSV	275°, 45%, 87%
XYZ	39.2073, 29.0161, 72.6298
YIQ	151.0410, 3.0640, 43.6080

# Conversions

## Conversions Part 2

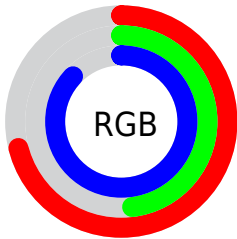
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	181, 122, 222
Decimal	11893470
CIE Lab	60.80, 41.19, -42.34
CIE LCh	61, 59.069, 314.207
Yxy	29.0161, 0.2784, 0.2060
Android (android.graphics.Color)	4290083550 (0xFFB57ADE)
YUV	151.0410, 34.9828, 26.2740
Hunter-Lab	53.8666, 35.6563, -42.2357

# Details

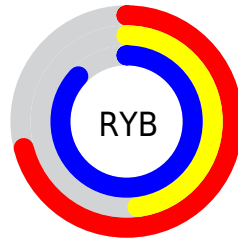
The YIQ color  $151.0410, 3.0640, 43.6080$  is a light color, and the websafe version is hex  $9966CC$ . A complement of this color would be  $192.9590, -3.0640, -43.6080$ , and the grayscale version is  $151.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $203.5440, 11.5930, 37.7130$ , and  $98.2750, 2.2850, 41.2050$  is the 20% darker color. If you saturate the color by 10%, you get  $135.4360, 3.7500, 53.2060$ , and if you desaturate by 10%, it is  $166.6460, 2.3780, 34.0100$ .

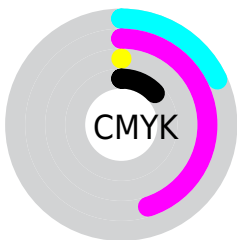
# Distribution



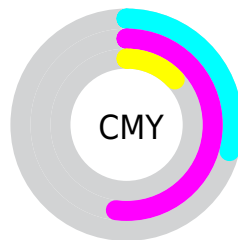
- Red (71%)
- Green (48%)
- Blue (87%)



- Red (71%)
- Yellow (48%)
- Blue (87%)



- Cyan (18%)
- Magenta (45%)
- Yellow (0%)
- Black (13%)




- Cyan (29%)
- Magenta (52%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 151.0410, 3.0640, 43.6080 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 151.0410, 3.0640, 43.6080 by changing the saturation by 10% instead.




 151.0410, 3.0640,  
43.6080


 151.0410, 3.0640,  
43.6080


255.0000, -0.0000,  
-0.0000


 124.2150, 2.5140,  
42.5620

 203.5440, 11.5930,  
37.7130


 98.2750, 2.2850,  
41.2050


 224.4760, 14.3000,  
27.1960

 73.1500, 1.1390,  
39.9470

 241.4990, 6.3250,  
12.0290

 47.7370, 0.8640,  
39.4240

 24.1990, -0.5570,  
37.6430

 15.1840, -5.3690,  
25.7270

 5.9620, -14.0320,

12.0160

■ 2.8670, -6.6950,  
5.6970

■ 0.0000, 0.0000,  
0.0000

■ 151.0410, 3.0640,  
43.6080

■ 151.0410, 3.0640,  
43.6080

■ 135.4360, 3.7500,  
53.2060

■ 166.6460, 2.3780,  
34.0100

■ 119.8310, 4.4360,  
62.8040

■ 182.2510, 1.6920,  
24.4120

■ 103.6390, 5.3970,  
72.9250

■ 198.4430, 0.7310,  
14.2910

■ 88.0340, 6.0830,  
82.5230

■ 214.0480, 0.0450,  
4.6930

72.4290, 6.7690,  
92.1210

229.6530, -0.6410,  
-4.9050

64.4770, 6.8140,  
96.8140

245.5570, -0.7310,  
-14.2910

248.2480, 4.6330,  
-12.3830

250.9390, 9.9970,  
-10.4750

251.2380, 10.5930,  
-10.2630

# Harmonies

## Analogous

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



140.3080, -64.3760, 21.3200



151.0410, 3.0640, 43.6080



147.8110, 50.7460, 49.5140

# Triad

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



151.0410, 3.0640, 43.6080



141.7080, 67.4470, -16.4010



120.4580, -102.1910, -36.7750

# Complementary

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



151.0410, 3.0640, 43.6080



192.9590, -3.0640, -43.6080

# 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.



113.0140, -83.9860, -52.8340



151.0410, 3.0640, 43.6080



137.8360, 37.0070, -37.4330

# Square

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



151.0410, 3.0640, 43.6080



143.4660, 81.0130, 13.0850



131.1150, -12.3710, -45.6430



124.0550, -116.4530, -20.5890



# Rectangle

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



151.0410, 3.0640, 43.6080



144.7730, 71.1040, 44.0000



131.1150, -12.3710, -45.6430



118.4060, -96.4130, -42.3730

# Sweetspot

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



151.0410, 3.0640, 43.6080



229.3830, 0.9600, 15.6480



158.0540, -43.6500, 9.1340



112.3950, 0.6860, 9.5980



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.



151.0410, 3.0640, 43.6080



157.2500, 4.5740, 60.3020



162.3880, 30.0680, 49.8120



104.3470, 0.6410, 4.9050



51.1600, 5.4880, 76.7840



14.1430, 1.8760, 21.0760



# Inverse Universe

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



156.5740, 46.4390, 33.9510



164.7600, 63.9510, 46.9830



181.6120, -30.0680, -49.8120



104.8590, 4.9510, 3.8870



60.8320, 81.7840, 59.7040



16.6320, 22.1880, 16.3960



# Previews

## White Background



This preview shows how the YIQ color 151.0410, 3.0640, 43.6080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

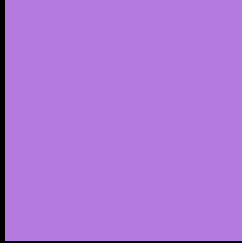
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 151.0410, 3.0640, 43.6080 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

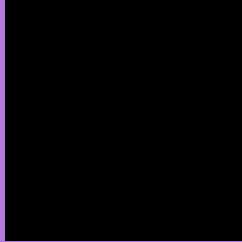
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 151.0410, 3.0640, 43.6080

## Background



This preview shows how black text looks on a background with the YIQ color 151.0410, 3.0640, 43.6080.



This preview shows how white text looks on a background with the YIQ color 151.0410, 3.0640,



# 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

151.0410, 3.0640, 43.6080

### Protanopia

144.2940, -52.5930, 22.5350

### Deuteranopia

145.1240, -40.6710, 15.7210



## Tritanopia

148.5230, 14.9450, 9.9930

# Trichromacy



## Original Color

151.0410, 3.0640, 43.6080



## Protanomaly

146.8730, -32.0540, 30.2660



## Deuteranomaly

147.2450, -24.5340, 26.1380



## Tritanomaly

149.2750, 10.3120, 22.3760

# Monochromacy



## Original Color

151.0410, 3.0640, 43.6080



## Achromatopsia

151.0000, -0.0000, 0.0000



## Achromatomaly

150.7960, 1.2350, 16.1710

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 151.0410, 3.0640, 43.6080 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(181, 122, 222)` looks like.

```
.text, #text, p{  
    color:rgb(181, 122, 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(181, 122, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 122, 222) }
```

## Border

The CSS property to change the border of an element to YIQ 151.0410, 3.0640, 43.6080 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(181, 122, 222) }
```



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

```
.border{ border-color:rgb(181, 122, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 122, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 122, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 122, 222);  
box-shadow:4px 4px 4px 4px rgb(181, 122,  
222) }
```

# Background

The CSS property to change the background color of an element to YIQ 151.0410, 3.0640, 43.6080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 122, 222) }
```

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

```
.background{ background-color: rgb(181,  
122, 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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