

# Converting Colors

YIQ(151.9950, -0.4630, 24.9210)

Have a look what the booklet for  
YIQ(151.9950, -0.4630, 24.9210)  
contains.

<b>YIQ(151.9950, -0.4630, 24.9210)</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(151.9950, -0.4630,  
24.9210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A788C3
RGB	167, 136, 195
RGB Percent	65%, 53%, 76%
CMY	0.3450, 0.4667, 0.2353
CMYK	0.14, 0.30, 0.00, 0.24
HSL	272°, 33%, 65%
HSV	272°, 30%, 76%
XYZ	34.5936, 29.7628, 55.5441
YIQ	151.9950, -0.4630, 24.9210

# Conversions

## Conversions Part 2

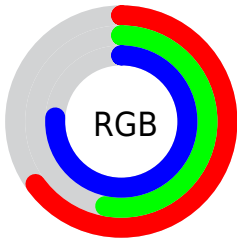
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	167, 136, 195
Decimal	10979523
CIE <sub>Lab</sub>	61.45, 23.16, -26.27
CIE <sub>LCh</sub>	61, 35.021, 311.395
Yxy	29.7628, 0.2885, 0.2482
Android (android.graphics.Color)	4289169603 (0xFFA788C3)
YUV	151.9950, 21.2015, 13.1594
Hunter-Lab	54.5553, 17.7153, -22.1759

# Details

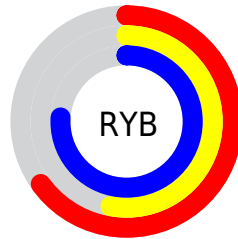
The YIQ color  $151.9950, -0.4630, 24.9210$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $179.0050, 0.4630, -24.9210$ , and the grayscale version is  $152.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $206.9350, -0.2340, 26.2780$ , and  $100.6420, -0.9670, 23.0410$  is the 20% darker color. If you saturate the color by 10%, you get  $137.5640, -0.3270, 33.4730$ , and if you desaturate by 10%, it is  $165.8390, -0.3240, 16.8920$ .

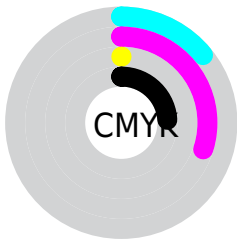
# Distribution



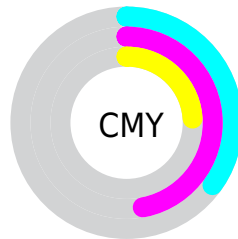
- Red (65%)
- Green (53%)
- Blue (76%)



- Red (65%)
- Yellow (53%)
- Blue (76%)



- Cyan (14%)
- Magenta (30%)
- Yellow (0%)
- Black (24%)



- Cyan (35%)
- Magenta (47%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 151.9950, -0.4630, 24.9210 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 151.9950, -0.4630, 24.9210 by changing the saturation by 10% instead.



151.9950, -0.4630,  
24.9210

151.9950, -0.4630,  
24.9210

255.0000, -0.0000,  
-0.0000

125.5820, -0.7380,  
24.3980

206.9350, -0.2340,  
26.2780

100.6420, -0.9670,  
23.0410

231.7970, 8.6620,  
19.2380

76.1150, -0.9210,  
22.2070

249.7170, 2.4750,  
4.7070

53.2890, -1.4710,  
21.1610

30.4630, -2.0210,  
20.1150

12.0070, -0.7370,  
18.8710

3.2090, -7.6580,

6.6300

0.0000, 0.0000,  
0.0000

151.9950, -0.4630,  
24.9210

151.9950, -0.4630,  
24.9210

137.5640, -0.3270,  
33.4730

165.8390, -0.3240,  
16.8920

123.7200, -0.4660,  
41.5020

180.5690, 0.1360,  
8.5520

108.9900, -0.9260,  
49.8420

194.4130, 0.2750,  
0.5230

95.1460, -1.0650,  
57.8710

208.8440, 0.1390,  
-8.0290

80.7150, -0.9290,  
66.4230

222.6880, 0.2780,  
-16.0580

66.8710, -1.0680,  
74.4520

237.1190, 0.1420,  
-24.6100

53.0270, -1.2070,  
82.4810

241.2830, 5.5520,  
-23.5360

243.9740, 10.9160,  
-21.6280

246.6650, 16.2800,  
-19.7200

# Harmonies

## Analogous

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



146.8920, -34.2060, 14.1940



151.9950, -0.4630, 24.9210



152.4190, 27.6420, 27.6900

# Triad

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



151.9950, -0.4630, 24.9210



147.7550, 42.8700, -6.0100



125.5600, -75.8750, -29.1150

# Complementary

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



151.9950, -0.4630, 24.9210



179.0050, 0.4630, -24.9210

# 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.



135.3890, -35.8490, -27.6330



151.9950, -0.4630, 24.9210



144.9110, 24.3950, -18.1090

# Square

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



151.9950, -0.4630, 24.9210



149.7320, 50.8450, 9.1570



141.6240, -2.8380, -25.6700



117.1130, -105.1730, -26.7810



# Rectangle

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



151.9950, -0.4630, 24.9210



151.2540, 41.1680, 24.8480



141.6240, -2.8380, -25.6700



129.6880, -61.6160, -28.7200

# Sweetspot

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



151.9950, -0.4630, 24.9210



236.0960, 0.0900, 9.3860



159.7490, -26.9140, 3.1820



117.1020, -0.0470, 6.3610



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.



151.9950, -0.4630, 24.9210



186.3130, -0.8780, 37.9540



160.2530, 16.5460, 30.5460



89.6350, -0.2300, 4.1700



43.7690, -1.0210, 68.0910



8.8450, -0.4610, 13.8670



# Inverse Universe

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



156.8330, 26.1760, 21.2160



193.8120, 39.8370, 32.4530



170.7470, -16.5460, -30.5460



90.5600, 4.3550, 3.6750



56.8030, 71.5600, 57.7680



11.6910, 14.5320, 11.9720



# Previews

## White Background



This preview shows how the YIQ color 151.9950, -0.4630, 24.9210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

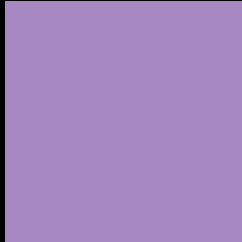
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 151.9950, -0.4630, 24.9210 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 151.9950, -0.4630, 24.9210**

## **Background**



This preview shows how black text looks on a background with the YIQ color 151.9950, -0.4630, 24.9210.



This preview shows how white text looks on a background with the YIQ color 151.9950, -0.4630,



# 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

151.9950, -0.4630, 24.9210

### Protanopia

148.8990, -26.9160, 14.2360

### Deuteranopia

149.2650, -19.2590, 13.1330



## Tritanopia

150.3370, 6.6010, 7.0250

# Trichromacy



## Original Color

151.9950, -0.4630, 24.9210

## Protanomaly

150.0960, -17.1050, 18.1510

## Deuteranomaly

150.0210, -12.5200, 17.6560

## Tritanomaly

150.8840, 3.8030, 13.6830

# Monochromacy



## Original Color

151.9950, -0.4630, 24.9210

## Achromatopsia

152.0000, -0.0000, -0.0000

## Achromatomaly

151.7970, -0.5060, 9.1740

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 151.9950, -0.4630, 24.9210 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(167, 136, 195)` looks like.

```
.text, #text, p{  
    color:rgb(167, 136, 195)  
}
```

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(167, 136, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 136, 195) }
```

## Border

The CSS property to change the border of an element to YIQ 151.9950, -0.4630, 24.9210 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(167, 136, 195) }
```



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

```
.border{ border-color:rgb(167, 136, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 136, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 136, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 136, 195);  
box-shadow:4px 4px 4px 4px rgb(167, 136,  
195) }
```

# Background

The CSS property to change the background color of an element to YIQ 151.9950, -0.4630, 24.9210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 136, 195) }
```

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

```
.background{ background-color: rgb(167,  
136, 195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor