

Converting Colors

YIQ(83.0460, 14.9770, 86.5370)

Have a look what the booklet for
YIQ(83.0460, 14.9770, 86.5370)
contains.

YIQ(83.0460, 14.9770, 86.5370)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(83.0460, 14.9770,
86.5370)**

Conversions

Conversions Part 1

Format	Color
Hex	9717D6
RGB	151, 23, 214
RGB Percent	59%, 9%, 84%
CMY	0.4074, 0.9100, 0.1609
CMYK	0.29, 0.89, 0.00, 0.16
HSL	280°, 81%, 46%
HSV	280°, 89%, 84%
XYZ	25.2226, 12.0542, 64.6005
YIQ	83.0460, 14.9770, 86.5370

Conversions

Conversions Part 2

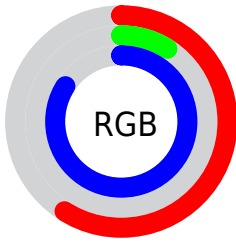
Format	Color
R_{YB}	151, 23, 214
Decimal	9902038
CIE _{Lab}	41.30, 74.32, -69.26
CIE _{LCh}	41, 101.586, 317.017
Yxy	12.0542, 0.2476, 0.1183
Android (android.graphics.Color)	4288092118 (0xFF9717D6)
YUV	83.0460, 64.5603, 59.5957
Hunter-Lab	34.7192, 68.9172, -86.0150

Details

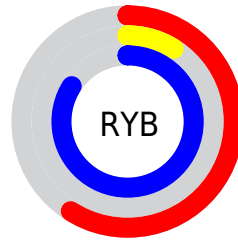
The YIQ color **83.0460, 14.9770, 86.5370** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **153.9540, -14.9770, -86.5370**, and the grayscale version is **82.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **145.5760, 18.8760, 76.4440**, and **45.5200, 4.1140, 68.6420** is the 20% darker color. If you saturate the color by 10%, you get **68.6260, 16.5800, 96.0360**, and if you desaturate by 10%, it is **97.4660, 13.3740, 77.0380**.

Distribution



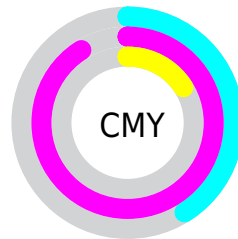
- Red (59%)
- Green (9%)
- Blue (84%)



- Red (59%)
- Yellow (9%)
- Blue (84%)



- Cyan (29%)
- Magenta (89%)
- Yellow (0%)
- Black (16%)





- Cyan (41%)
- Magenta (91%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 83.0460, 14.9770, 86.5370 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 83.0460, 14.9770, 86.5370 by changing the saturation by 10% instead.

 83.0460, 14.9770,
86.5370


 83.0460, 14.9770,
86.5370


255.0000, -0.0000,
-0.0000


 57.6820, 13.0060,
83.7100


 145.5760, 18.8760,
76.4440


 45.5200, 4.1140,
68.6420


 170.9820, 29.0560,
68.1600


 33.4720, -5.0990,
53.8850


 192.1910, 29.4250,
55.9610

 20.9400, -15.8250,
39.0150

 209.2140, 21.4500,
40.7940

 9.1200, -25.6800,
24.8800

 226.2370, 13.4750,
25.6270

 9.2050, -19.0300,
14.4900

 243.2600, 5.5000,

 4.9360, -11.1430,

10.4600

9.2170

■ 0.6840, -1.9260,
1.8660

■ 0.0000, 0.0000,
0.0000

■ 83.0460, 14.9770,
86.5370

■ 83.0460, 14.9770,
86.5370

■ 68.6260, 16.5800,
96.0360

■ 97.4660, 13.3740,
77.0380

■ 67.4520, 17.1300,
97.0820

■ 112.4730, 11.4960,
67.0160

■ 126.8930, 9.8930,
57.5170

■ 141.9000, 8.0150,
47.4950

■ 156.3200, 6.4120,
37.9960

■ 170.7400, 4.8090,
28.4970

■ 185.7470, 2.9310,
18.4750

■ 200.1670, 1.3280,
8.9760

■ 215.1740, -0.5500,
-1.0460

Harmonies

Analogous

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



84.2480, -107.7050, 30.1430



83.0460, 14.9770, 86.5370



81.3980, 87.1430, 89.2470

Triad

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



83.0460, 14.9770, 86.5370



92.0980, 66.5290, -10.7750



91.0790, -81.4700, -21.3260

Complementary

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



83.0460, 14.9770, 86.5370



153.9540, -14.9770, -86.5370

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.



79.7590, -52.3510, -47.9590



83.0460, 14.9770, 86.5370



85.2230, 13.8080, -41.0080

Square

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



83.0460, 14.9770, 86.5370



60.6970, 120.9880, 43.0360



70.4400, -33.0000, -62.7600



100.3300, -106.1410, 1.7870

Rectangle

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



83.0460, 14.9770, 86.5370



78.8300, 111.6290, 74.9970



70.4400, -33.0000, -62.7600



87.7730, -72.1610, -30.3450

Sweetspot

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



83.0460, 14.9770, 86.5370



207.6200, 5.2670, 31.2110



82.3420, -78.9110, 25.9290



99.7470, 2.9310, 18.4750



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.



83.0460, 14.9770, 86.5370



80.1990, 20.0610, 115.5570



98.2350, 62.7970, 89.9410



99.6460, 1.2370, 5.1170



53.8790, 13.6490, 77.5610



13.5730, 3.4810, 19.5210

Inverse Universe

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



87.2910, 93.6130, 60.0850



85.8210, 125.0160, 80.1840



138.7650, -62.7970, -89.9410



99.7450, 5.2720, 3.5760



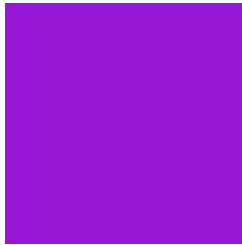
57.5130, 83.9400, 53.6680



14.4530, 21.1340, 13.4700

Previews

White Background



This preview shows how the YIQ color 83.0460, 14.9770, 86.5370 looks on a white background.

Color Contrast Check

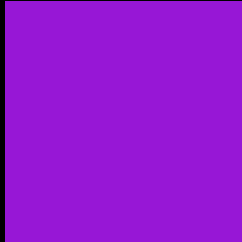
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 83.0460, 14.9770, 86.5370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

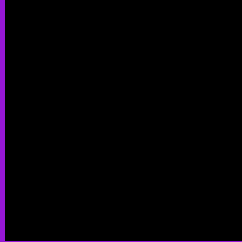
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 83.0460, 14.9770, 86.5370

Background



This preview shows how black text looks on a background with the YIQ color 83.0460, 14.9770, 86.5370.



This preview shows how white text looks on a background with the YIQ color 83.0460, 14.9770,

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

83.0460, 14.9770, 86.5370

Protanopia

78.5650, -90.3250, 12.5150

Deuteranopia

79.1230, -83.6290, 1.2910



Tritanopia

99.8400, 24.2980, 11.1940

Trichromacy



Original Color

83.0460, 14.9770, 86.5370

Protanomaly

80.3180, -52.0000, 39.3280

Deuteranomaly

80.8420, -47.9640, 32.2600

Tritanomaly

93.7470, 21.2670, 38.6030

Monochromacy



Original Color

83.0460, 14.9770, 86.5370

Achromatopsia

83.0000, -0.0000, 0.0000

Achromatomaly

83.0330, 5.5420, 31.7340

CSS Examples

Text

The CSS property to change the color of the text to YIQ 83.0460, 14.9770, 86.5370 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(151, 23, 214)` looks like.

```
.text, #text, p{  
    color:rgb(151, 23, 214)  
}
```

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(151, 23, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 23, 214) }
```

Border

The CSS property to change the border of an element to YIQ 83.0460, 14.9770, 86.5370 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(151, 23, 214) }
```


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

```
.border{ border-color:rgb(151, 23, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 23, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 23, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 23, 214);  
box-shadow:4px 4px 4px 4px rgb(151, 23,  
214) }
```

Background

The CSS property to change the background color of an element to YIQ 83.0460, 14.9770, 86.5370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 23, 214) }
```

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

```
.background{ background-color: rgb(151, 23,  
214) }
```

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