

Converting Colors

YIQ(83.6650, 2.5080, 75.7240)

Have a look what the booklet for
YIQ(83.6650, 2.5080, 75.7240)
contains.

YIQ(83.6650, 2.5080, 75.7240)	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(83.6650, 2.5080,
75.7240)**

Conversions

Conversions Part 1

Format	Color
Hex	8522D2
RGB	133, 34, 210
RGB Percent	52%, 13%, 82%
CMY	0.4781, 0.8668, 0.1766
CMYK	0.37, 0.84, 0.00, 0.18
HSL	274°, 72%, 48%
HSV	274°, 84%, 82%
XYZ	21.8865, 10.7870, 61.8803
YIQ	83.6650, 2.5080, 75.7240

Conversions

Conversions Part 2

Format	Color
R_{YB}	133, 34, 210
Decimal	8725202
CIE _{Lab}	39.22, 68.45, -70.46
CIE _{LCh}	39, 98.234, 314.173
Yxy	10.7870, 0.2315, 0.1141
Android (android.graphics.Color)	4286915282 (0xFF8522D2)
YUV	83.6650, 62.2832, 43.2668
Hunter-Lab	32.8435, 61.4739, -88.7175

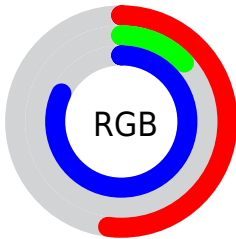
Details

The YIQ color **83.6650, 2.5080, 75.7240** is a dark color, and the websafe version is hex **9900CC**.

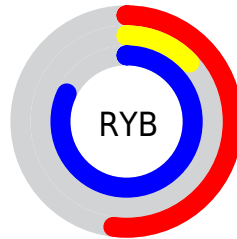
The color can be described as dark washed purple. A complement of this color would be **160.3350, -2.5080, -75.7240**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **141.6560, 6.7270, 70.8470**, and **39.3830, -5.9260, 63.3700** is the 20% darker color. If you saturate the color by 10%, you get **68.6470, 2.9190, 84.7990**, and if you desaturate by 10%, it is **98.6830, 2.0970, 66.6490**.

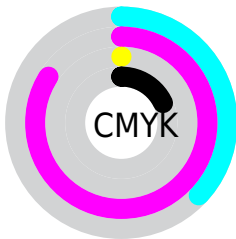
Distribution



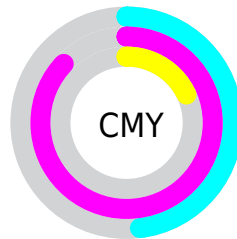
- Red (52%)
- Green (13%)
- Blue (82%)



- Red (52%)
- Yellow (13%)
- Blue (82%)



- Cyan (37%)
- Magenta (84%)
- Yellow (0%)
- Black (18%)



- Cyan (48%)
- Magenta (87%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 83.6650, 2.5080, 75.7240 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 83.6650, 2.5080, 75.7240 by changing the saturation by 10% instead.

83.6650, 2.5080,
75.7240

83.6650, 2.5080,
75.7240

255.0000, -0.0000,
-0.0000

51.8440, 3.5620,
78.6500

141.0690, 7.0020,
71.3700

39.3830, -5.9260,
63.3700

166.4750, 17.1820,
63.0860

26.4380, -16.9270,
47.9770

192.1800, 27.9580,
55.0140

11.5140, -32.4210,
31.4110

209.2140, 21.4500,
40.7940

8.6640, -24.3960,
23.6360

226.2370, 13.4750,
25.6270

8.2760, -17.7920,
14.0800

243.2600, 5.5000,

4.5940, -10.1800,

10.4600

8.2840

■ 0.0000, 0.0000,
0.0000

■ 83.6650, 2.5080,
75.7240

■ 83.6650, 2.5080,
75.7240

■ 68.6470, 2.9190,
84.7990

■ 98.6830, 2.0970,
66.6490

■ 59.2220, 2.9180,
90.3260

■ 113.7010, 1.6860,
57.5740

■ 129.0180, 1.8710,
48.7110

■ 144.0360, 1.4600,
39.6360

■ 159.0540, 1.0490,
30.5610

■ 174.0720, 0.6380,
21.4860

■ 189.0900, 0.2270,
12.4110

■ 204.1080, -0.1840,
3.3360

■ 219.4250, 0.0010,
-5.5270

Harmonies

Analogous

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



83.4330, -106.7880, 30.0440



83.6650, 2.5080, 75.7240



77.3260, 78.4780, 86.5900

Triad

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



83.6650, 2.5080, 75.7240



86.2170, 67.8120, -6.4920



85.8470, -75.0050, -22.8530

Complementary

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



83.6650, 2.5080, 75.7240



160.3350, -2.5080, -75.7240

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.



74.2820, -46.5740, -48.0300



83.6650, 2.5080, 75.7240



82.6090, 18.7130, -36.2870

Square

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



83.6650, 2.5080, 75.7240



58.9030, 117.4120, 41.7640



66.3310, -31.0750, -59.0990



94.3970, -99.0800, 0.4720

Rectangle

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



83.6650, 2.5080, 75.7240



75.8830, 104.1100, 73.5980



66.3310, -31.0750, -59.0990



82.0680, -65.7420, -31.0380

Sweetspot

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



83.6650, 2.5080, 75.7240



209.0600, 0.9120, 27.5360



100.4370, -78.2210, 13.4190



100.0240, 0.5930, 16.7930



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.



83.6650, 2.5080, 75.7240



72.1260, 3.9690, 109.8330



105.6620, 51.2890, 89.2490



97.0480, 0.0450, 4.6930



47.5570, 2.6920, 72.3880



11.5510, 0.5470, 17.6270

Inverse Universe

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



95.4020, 80.1790, 61.2590



88.8990, 116.3490, 88.5810



138.3380, -51.2890, -89.2490



97.8590, 4.9510, 3.8870



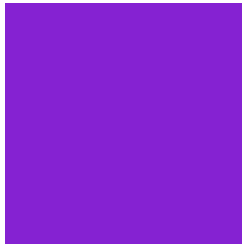
58.6680, 76.3740, 58.6300



14.3110, 18.6580, 14.2900

Previews

White Background



This preview shows how the YIQ color 83.6650, 2.5080, 75.7240 looks on a white background.

Color Contrast Check

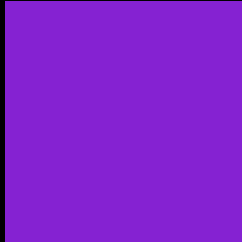
Large Text (above 18pt) WCAG AA ✓ Pass

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 83.6650, 2.5080, 75.7240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

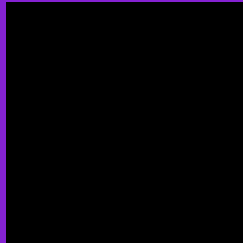
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 83.6650, 2.5080, 75.7240

Background



This preview shows how black text looks on a background with the YIQ color 83.6650, 2.5080, 75.7240.



This preview shows how white text looks on a background with the YIQ color 83.6650, 2.5080,

75.7240.

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

83.6650, 2.5080, 75.7240

Protanopia

74.3760, -85.4190, 11.7090

Deuteranopia

74.3470, -78.4480, 1.0080



Tritanopia

93.9740, 12.0570, 7.2650

Trichromacy



Original Color

83.6650, 2.5080, 75.7240



Protanomaly

77.9000, -53.8790, 34.8330



Deuteranomaly

77.7230, -49.2470, 27.9770



Tritanomaly

90.1150, 8.2470, 32.2710

Monochromacy



Original Color

83.6650, 2.5080, 75.7240



Achromatopsia

84.0000, -0.0000, -0.0000



Achromatomaly

84.0600, 0.9120, 27.5360

CSS Examples

Text

The CSS property to change the color of the text to YIQ 83.6650, 2.5080, 75.7240 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(133, 34, 210)` looks like.

```
.text, #text, p{  
    color:rgb(133, 34, 210)  
}
```

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(133, 34, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 34, 210) }
```

Border

The CSS property to change the border of an element to YIQ 83.6650, 2.5080, 75.7240 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(133, 34, 210) }
```


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

```
.border{ border-color:rgb(133, 34, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 34, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 34, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 34, 210);  
box-shadow:4px 4px 4px 4px rgb(133, 34,  
210) }
```

Background

The CSS property to change the background color of an element to YIQ 83.6650, 2.5080, 75.7240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 34, 210) }
```

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

```
.background{ background-color: rgb(133, 34,  
210) }
```

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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