

Converting Colors

YIQ(84.7510, 15.4440, 39.5080)

Have a look what the booklet for
YIQ(84.7510, 15.4440, 39.5080)
contains.

YIQ(84.7510, 15.4440, 39.5080)	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(84.7510, 15.4440,
39.5080)**

Conversions

Conversions Part 1

Format	Color
Hex	7C3787
RGB	124, 55, 135
RGB Percent	49%, 22%, 53%
CMY	0.5135, 0.7844, 0.4706
CMYK	0.08, 0.59, 0.00, 0.47
HSL	292°, 42%, 37%
HSV	292°, 59%, 53%
XYZ	14.0581, 8.7681, 23.8731
YIQ	84.7510, 15.4440, 39.5080

Conversions

Conversions Part 2

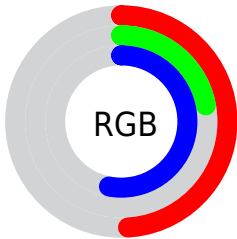
Format	Color
R_{YB}	124, 55, 135
Decimal	8140679
CIE _{Lab}	35.53, 42.29, -31.75
CIE _{LCh}	36, 52.884, 323.106
Yxy	8.7681, 0.3010, 0.1878
Android (android.graphics.Color)	4286330759 (0xFF7C3787)
YUV	84.7510, 24.7728, 34.4214
Hunter-Lab	29.6109, 32.9254, -27.0735

Details

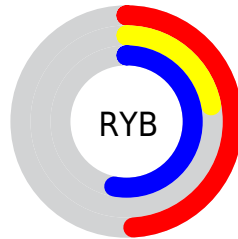
The YIQ color **84.7510, 15.4440, 39.5080** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **105.2490, -15.4440, -39.5080**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.2890, 16.8650, 41.2890**, and **31.2180, 15.6270, 41.6990** is the 20% darker color. If you saturate the color by 10%, you get **75.9350, 18.1020, 46.4060**, and if you desaturate by 10%, it is **92.9800, 13.0610, 33.1330**.

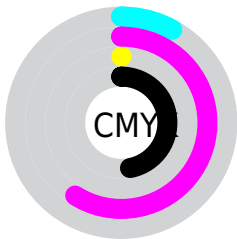
Distribution



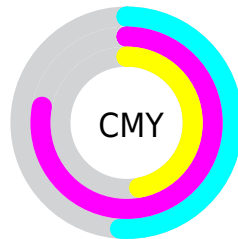
- Red (49%)
- Green (22%)
- Blue (53%)



- Red (49%)
- Yellow (22%)
- Blue (53%)



- Cyan (8%)
- Magenta (59%)
- Yellow (0%)
- Black (47%)



- Cyan (51%)
- Magenta (78%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 84.7510, 15.4440, 39.5080 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 84.7510, 15.4440, 39.5080 by changing the saturation by 10% instead.

■ 84.7510, 15.4440,
39.5080

■ 84.7510, 15.4440,
39.5080

■ 255.0000, -0.0000,
-0.0000

■ 58.7510, 15.4440,
39.5080

■ 137.2890, 16.8650,
41.2890

■ 31.2180, 15.6270,
41.6990

■ 164.1150, 17.4150,
42.3350

■ 21.3060, 9.0270,
29.1470

■ 191.8270, 18.2860,
43.0700

■ 11.6220, 1.7850,
17.2170

■ 214.4970, 18.9750,
36.0870

■ 2.4110, -5.4110,
4.4530

■ 231.5200, 11.0000,
20.9200

■ 0.0000, 0.0000,
0.0000

■ 247.9560, 3.3000,

6.2760

■ 84.7510, 15.4440,
39.5080

■ 84.7510, 15.4440,
39.5080

■ 75.9350, 18.1020,
46.4060

■ 92.9800, 13.0610,
33.1330

■ 67.7060, 20.4850,
52.7810

■ 101.7960, 10.4030,
26.2350

■ 59.1890, 23.7390,
59.8910

■ 110.0250, 8.0200,
19.8600

■ 50.9600, 26.1220,
66.2660

■ 118.5420, 4.7660,
12.7500

■ 50.3730, 26.3970,
66.7890

■ 126.7710, 2.3830,
6.3750

■ 135.5870, -0.2750,
-0.5230

■ 143.8160, -2.6580,
-6.8980

■ 152.6320, -5.3160,
-13.7960

■ 160.8610, -7.6990,
-20.1710

Harmonies

Analogous

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



81.0090, -38.6090, 22.4070



84.7510, 15.4440, 39.5080



77.1220, 51.0680, 43.6760

Triad

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



84.7510, 15.4440, 39.5080



78.6760, 44.1100, -17.4740



73.0980, -65.2860, -17.2700

Complementary

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



84.7510, 15.4440, 39.5080



105.2490, -15.4440, -39.5080

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.



68.0820, -51.1620, -30.9540



84.7510, 15.4440, 39.5080



74.3470, 16.6950, -32.7530

Square

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



84.7510, 15.4440, 39.5080



78.4480, 63.0880, 2.0320



60.7180, -35.9380, -42.5460



75.9140, -75.9710, -5.3390

Rectangle

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



84.7510, 15.4440, 39.5080



74.5390, 62.7150, 36.3390



60.7180, -35.9380, -42.5460



71.5020, -60.7920, -21.6240

Sweetspot

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



84.7510, 15.4440, 39.5080



156.0200, 6.4160, 15.8880



71.1640, -28.9800, 18.6040



77.2490, 4.0330, 9.5130



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7510, 15.4440, 39.5080



97.5420, 24.2430, 61.7710



84.8480, 30.9880, 33.1320



62.1790, 1.0540, 2.9260



48.3080, 25.0220, 64.1740



0.9400, 0.2290, 1.3570

Inverse Universe

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



80.1740, 44.1490, 20.3810



90.3130, 69.0430, 31.7870



105.1520, -30.9880, -33.1320



61.9080, 3.2550, 1.5830



40.9220, 71.7020, 33.1580



0.8970, 1.7880, 0.6360

Previews

White Background



This preview shows how the YIQ color 84.7510, 15.4440, 39.5080 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

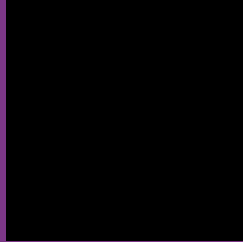
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 84.7510, 15.4440, 39.5080

Background



This preview shows how black text looks on a background with the YIQ color 84.7510, 15.4440, 39.5080.



This preview shows how white text looks on a background with the YIQ color 84.7510, 15.4440,

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

84.7510, 15.4440, 39.5080

Protanopia

78.6330, -49.4740, 15.5660

Deuteranopia

82.3670, -28.4740, 9.4300



Tritanopia

85.1390, 24.8940, 11.4060

Trichromacy



Original Color

84.7510, 15.4440, 39.5080

Protanomaly

80.7070, -25.9550, 24.3570

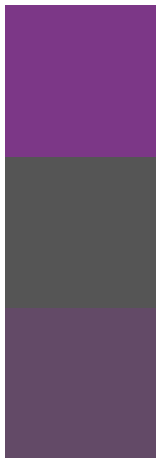
Deuteranomaly

83.0150, -12.3830, 20.6810

Tritanomaly

84.9080, 21.5910, 21.7110

Monochromacy



Original Color

84.7510, 15.4440, 39.5080

Achromatopsia

85.0000, -0.0000, 0.0000

Achromatomaly

84.7810, 5.5910, 14.3190

CSS Examples

Text

The CSS property to change the color of the text to YIQ 84.7510, 15.4440, 39.5080 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(124, 55, 135)` looks like.

```
.text, #text, p{  
    color:rgb(124, 55, 135)  
}
```

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(124, 55, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 55, 135) }
```

Border

The CSS property to change the border of an element to YIQ 84.7510, 15.4440, 39.5080 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(124, 55, 135) }
```


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

```
.border{ border-color:rgb(124, 55, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 55, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 55, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 55, 135);  
box-shadow:4px 4px 4px 4px rgb(124, 55,  
135) }
```

Background

The CSS property to change the background color of an element to YIQ 84.7510, 15.4440, 39.5080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 55, 135) }
```

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

```
.background{ background-color: rgb(124, 55,  
135) }
```

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