

Converting Colors

YIQ(84.0340, 3.8010, 24.7370)

Have a look what the booklet for
YIQ(84.0340, 3.8010, 24.7370)
contains.

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Color

**YIQ(84.0340, 3.8010,
24.7370)**

Conversions

Conversions Part 1

Format	Color
Hex	67437A
RGB	103, 67, 122
RGB Percent	40%, 26%, 48%
CMY	0.5960, 0.7373, 0.5216
CMYK	0.16, 0.45, 0.00, 0.52
HSL	279°, 29%, 37%
HSV	279°, 45%, 48%
XYZ	11.1157, 8.3029, 19.4268
YIQ	84.0340, 3.8010, 24.7370

Conversions

Conversions Part 2

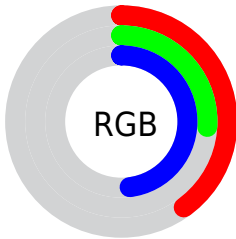
Format	Color
R_{YB}	103, 67, 122
Decimal	6767482
CIE _{Lab}	34.61, 26.38, -25.34
CIE _{LCh}	35, 36.583, 316.156
Yxy	8.3029, 0.2862, 0.2137
Android (android.graphics.Color)	4284957562 (0xFF67437A)
YUV	84.0340, 18.7172, 16.6332
Hunter-Lab	28.8147, 18.4334, -19.8029

Details

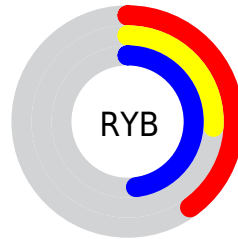
The YIQ color $[84.0340, 3.8010, 24.7370]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[104.9660, -3.8010, -24.7370]$, and the grayscale version is $[84.0000, -0.0000, -0.0000]$.

A 20% lighter version of the original color is $[134.3870, 4.3050, 26.6170]$, and $[37.3820, 2.7010, 22.6450]$ is the 20% darker color. If you saturate the color by 10%, you get $[75.7940, 4.7170, 30.1650]$, and if you desaturate by 10%, it is $[92.2740, 2.8850, 19.3090]$.

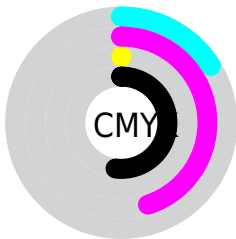
Distribution



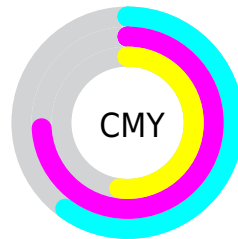
- Red (40%)
- Green (26%)
- Blue (48%)



- Red (40%)
- Yellow (26%)
- Blue (48%)



- Cyan (16%)
- Magenta (45%)
- Yellow (0%)
- Black (52%)



- Cyan (60%)
- Magenta (74%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 84.0340, 3.8010, 24.7370 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 84.0340, 3.8010, 24.7370 by changing the saturation by 10% instead.

84.0340, 3.8010,
24.7370

84.0340, 3.8010,
24.7370

255.0000, -0.0000,
-0.0000

60.2080, 3.2510,
23.6910

134.3870, 4.3050,
26.6170

37.3820, 2.7010,
22.6450

160.8000, 4.5800,
27.1400

15.2680, 3.0220,
22.3340

187.6260, 5.1300,
28.1860

3.3060, -9.3090,
9.0190

215.5830, 6.6890,
27.4650

0.0000, 0.0000,
0.0000

236.8030, 8.5250,
16.2130

253.8260, 0.5500,

1.0460

■ 84.0340, 3.8010,
24.7370

■ 84.0340, 3.8010,
24.7370

■ 75.7940, 4.7170,
30.1650

■ 92.2740, 2.8850,
19.3090

■ 67.5540, 5.6330,
35.5930

■ 100.5140, 1.9690,
13.8810

■ 58.4280, 6.2280,
41.3320

■ 109.6400, 1.3740,
8.1420

■ 50.1880, 7.1440,
46.7600

■ 117.8800, 0.4580,
2.7140

■ 41.9480, 8.0600,
52.1880

■ 126.1200, -0.4580,
-2.7140

■ 37.8280, 8.5180,
54.9020

■ 134.3600, -1.3740,
-8.1420

■ 142.6000, -2.2900,
-13.5700

■ 151.7260, -2.8850,
-19.3090

■ 159.9660, -3.8010,
-24.7370

Harmonies

Analogous

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



79.0340, -31.7300, 13.3740



84.0340, 3.8010, 24.7370



82.6750, 29.7970, 27.1810

Triad

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



84.0340, 3.8010, 24.7370



78.8250, 36.6810, -9.4870



67.4100, -57.5370, -20.0410

Complementary

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



84.0340, 3.8010, 24.7370



104.9660, -3.8010, -24.7370

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.



63.2890, -47.3110, -29.1590



84.0340, 3.8010, 24.7370



76.6930, 19.0770, -20.8510

Square

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



84.0340, 3.8010, 24.7370



80.1010, 45.2520, 5.8920



72.2150, -8.9360, -25.2880



69.2000, -65.3330, -10.9090

Rectangle

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



84.0340, 3.8010, 24.7370



81.1290, 40.0220, 23.5900



72.2150, -8.9360, -25.2880



66.2700, -54.3270, -23.1510

Sweetspot

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



84.0340, 3.8010, 24.7370



142.6940, 1.2820, 9.8100



84.4230, -22.8800, 7.1680



69.8740, 0.5950, 5.7390



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

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



84.0340, 3.8010, 24.7370



99.4340, 6.0910, 38.3070



88.8030, 17.6930, 26.2770



56.8800, 0.4580, 2.7140



38.7680, 8.7470, 56.2590



78.0630, 17.4480, 113.3520

Inverse Universe

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



85.6110, 26.6810, 17.5690



101.7210, 41.3510, 27.0390



100.1970, -17.6930, -26.2770



57.0220, 2.9340, 1.8940



42.2770, 60.6970, 39.8730



85.2660, 122.2650, 80.4810

Previews

White Background



This preview shows how the YIQ color 84.0340, 3.8010, 24.7370 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



This preview shows how the YIQ color 84.0340, 3.8010, 24.7370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

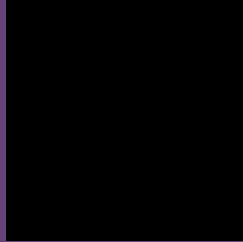
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 84.0340, 3.8010, 24.7370

Background



This preview shows how black text looks on a background with the YIQ color 84.0340, 3.8010, 24.7370.



This preview shows how white text looks on a background with the YIQ color 84.0340, 3.8010,

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

84.0340, 3.8010, 24.7370

Protanopia

80.3610, -28.3370, 12.4550

Deuteranopia

80.8470, -21.1380, 8.6380



Tritanopia

82.9630, 10.5900, 6.3180

Trichromacy



Original Color

84.0340, 3.8010, 24.7370

Protanomaly

81.4550, -16.7380, 17.0060

Deuteranomaly

81.9130, -12.3360, 14.3200

Tritanomaly

83.5100, 7.7920, 12.9760

Monochromacy



Original Color

84.0340, 3.8010, 24.7370

Achromatopsia

84.0000, -0.0000, -0.0000

Achromatomaly

84.1670, 1.3280, 8.9760

CSS Examples

Text

The CSS property to change the color of the text to YIQ 84.0340, 3.8010, 24.7370 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(103, 67, 122)` looks like.

```
.text, #text, p{  
    color:rgb(103, 67, 122)  
}
```

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(103, 67, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 67, 122) }
```

Border

The CSS property to change the border of an element to YIQ 84.0340, 3.8010, 24.7370 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(103, 67, 122) }
```


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

```
.border{ border-color:rgb(103, 67, 122) }
```

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

Here you see how a box with a 4 pixel rgb(103, 67, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 67, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 67, 122);  
box-shadow:4px 4px 4px 4px rgb(103, 67,  
122) }
```

Background

The CSS property to change the background color of an element to YIQ 84.0340, 3.8010, 24.7370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 67, 122) }
```

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

```
.background{ background-color: rgb(103, 67,  
122) }
```

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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