

Converting Colors

YIQ(63.4000, 13.7400, 81.4200)

Have a look what the booklet for
YIQ(63.4000, 13.7400, 81.4200)
contains.

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Color

**YIQ(63.4000, 13.7400,
81.4200)**

Conversions

Conversions Part 1

Format	Color
Hex	7F07BB
RGB	127, 7, 187
RGB Percent	50%, 3%, 73%
CMY	0.5016, 0.9727, 0.2668
CMYK	0.32, 0.96, 0.00, 0.27
HSL	280°, 93%, 38%
HSV	280°, 96%, 73%
XYZ	17.8103, 8.2576, 47.6567
YIQ	63.4000, 13.7400, 81.4200

Conversions

Conversions Part 2

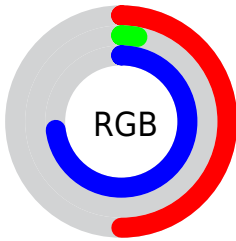
Format	Color
R_{YB}	127, 7, 187
Decimal	8325051
CIE _{Lab}	34.51, 68.39, -64.76
CIE _{LCh}	35, 94.184, 316.561
Yxy	8.2576, 0.2416, 0.1120
Android (android.graphics.Color)	4286515131 (0xFF7F07BB)
YUV	63.4000, 60.9348, 55.7772
Hunter-Lab	28.7361, 60.3440, -78.2130

Details

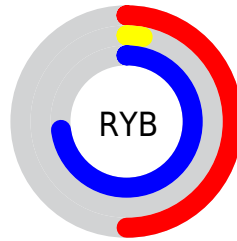
The YIQ color $63.4000, 13.7400, 81.4200$ is a dark color, and the websafe version is hex $9900CC$. A complement of this color would be $130.6000, -13.7400, -81.4200$, and the grayscale version is $63.0000, 0.0000, 0.0000$.

A 20% lighter version of the original color is $129.5040, 10.2110, 73.7870$, and $35.6790, -1.2480, 55.6800$ is the 20% darker color. If you saturate the color by 10%, you get $58.6930, 14.4730, 84.6570$, and if you desaturate by 10%, it is $76.3470, 12.0910, 72.7550$.

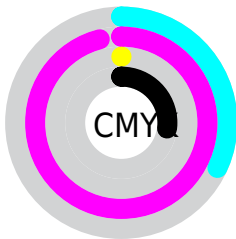
Distribution



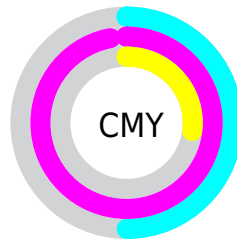
- Red (50%)
- Green (3%)
- Blue (73%)



- Red (50%)
- Yellow (3%)
- Blue (73%)



- Cyan (32%)
- Magenta (96%)
- Yellow (0%)
- Black (27%)



- Cyan (50%)
- Magenta (97%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 63.4000, 13.7400, 81.4200 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 63.4000, 13.7400, 81.4200 by changing the saturation by 10% instead.

63.4000, 13.7400,
81.4200

63.4000, 13.7400,
81.4200

255.0000, -0.0000,
-0.0000

47.4280, 7.3690,
70.2250

129.5040, 10.2110,
73.7870

35.6790, -1.2480,
55.6800

156.1640, 16.8600,
68.9240

23.4460, -11.3780,
41.0220

181.5700, 27.0400,
60.6400

9.2340, -26.0010,
25.1910

200.9960, 25.3000,
48.1160

8.8460, -19.3970,
15.6350

218.0190, 17.3250,
32.9490


5.0500, -11.4640,
9.5280


235.0420, 9.3500,

1.0260, -2.8890,


17.7820


2.7990


 252.0650, 1.3750,
2.6150


 0.0000, 0.0000,
0.0000


 63.4000, 13.7400,
81.4200


 63.4000, 13.7400,
81.4200

 58.6930, 14.4730,
84.6570

 76.3470, 12.0910,
72.7550

 89.0060, 11.3130,
64.8250

 101.9530, 9.6640,
56.1600

 114.9000, 8.0150,
47.4950

 127.2600, 6.6410,
39.3530

■ 140.2070, 4.9920,
30.6880

■ 153.4530, 3.9390,
22.2350

■ 166.4000, 2.2900,
13.5700

■ 178.7600, 0.9160,
5.4280

Harmonies

Analogous

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



72.5930, -95.5550, 30.2130



63.4000, 13.7400, 81.4200



70.2620, 75.3620, 76.9780

Triad

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



63.4000, 13.7400, 81.4200



76.1280, 57.8170, -7.0710



76.8310, -68.9080, -17.7080

Complementary

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



63.4000, 13.7400, 81.4200



130.6000, -13.7400, -81.4200

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.



66.5370, -42.6780, -41.5420



63.4000, 13.7400, 81.4200



71.0580, 10.1390, -35.0850

Square

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



63.4000, 13.7400, 81.4200



52.3250, 104.3000, 37.1000



59.2870, -27.7750, -52.8230



85.2840, -91.3320, 3.2280

Rectangle

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



63.4000, 13.7400, 81.4200



67.9650, 97.6470, 64.0710



59.2870, -27.7750, -52.8230



73.8670, -60.5620, -25.7940

Sweetspot

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



63.4000, 13.7400, 81.4200



194.0330, 5.5420, 31.7340



62.7400, -74.2800, 24.6000



93.1600, 3.2060, 18.9980



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



63.4000, 13.7400, 81.4200



76.0260, 18.8700, 109.6060



77.9200, 59.1300, 84.8100



87.8200, 0.6870, 4.0710



49.7060, 12.4580, 71.6100



9.5140, 1.9690, 13.8810

Inverse Universe

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



67.6600, 88.0200, 56.8200



81.5920, 118.2310, 76.4950



116.0800, -59.1300, -84.8100



88.0330, 4.4010, 2.8410



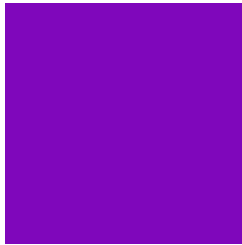
53.2840, 77.1550, 49.9790



10.4090, 15.2660, 9.6820

Previews

White Background



This preview shows how the YIQ color 63.4000, 13.7400, 81.4200 looks on a white background.

Color Contrast Check

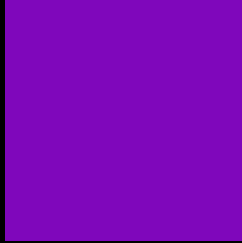
Large Text (above 18pt) WCAG AA ✓ Pass

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 63.4000, 13.7400, 81.4200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

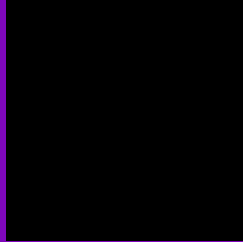
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 63.4000, 13.7400, 81.4200

Background



This preview shows how black text looks on a background with the YIQ color 63.4000, 13.7400, 81.4200.



This preview shows how white text looks on a background with the YIQ color 63.4000, 13.7400,

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

63.4000, 13.7400, 81.4200

Protanopia

66.2260, -76.2490, 10.7190

Deuteranopia

66.5390, -70.2410, 0.9510



Tritanopia

84.1490, 18.9340, 9.2860

Trichromacy



Original Color

63.4000, 13.7400, 81.4200

Protanomaly

64.9290, -43.6550, 36.7690

Deuteranomaly

65.5670, -39.9400, 30.0120

Tritanomaly

76.6000, 17.1870, 35.4510

Monochromacy



Original Color

63.4000, 13.7400, 81.4200

Achromatopsia

63.0000, 0.0000, 0.0000

Achromatomaly

63.2670, 4.7630, 29.3310

CSS Examples

Text

The CSS property to change the color of the text to YIQ 63.4000, 13.7400, 81.4200 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(127, 7, 187)` looks like.

```
.text, #text, p{  
    color:rgb(127, 7, 187)  
}
```

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(127, 7, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 7, 187) }
```

Border

The CSS property to change the border of an element to YIQ 63.4000, 13.7400, 81.4200 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(127, 7, 187) }
```


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

```
.border{ border-color:rgb(127, 7, 187) }
```

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

Here you see how a box with a 4 pixel rgb(127, 7, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 7, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 7, 187);  
box-shadow:4px 4px 4px 4px rgb(127, 7,  
187) }
```

Background

The CSS property to change the background color of an element to YIQ 63.4000, 13.7400, 81.4200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 7, 187) }
```

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

```
.background{ background-color: rgb(127, 7,  
187) }
```

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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