

# Converting Colors

YIQ(138.8880, 25.4840, 44.7800)

Have a look what the booklet for  
YIQ(138.8880, 25.4840, 44.7800)  
contains.

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# Color

**YIQ(138.8880, 25.4840,  
44.7800)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF67BB
RGB	191, 103, 187
RGB Percent	75%, 40%, 73%
CMY	0.2507, 0.5962, 0.2666
CMYK	0.00, 0.46, 0.02, 0.25
HSL	303°, 41%, 58%
HSV	303°, 46%, 75%
XYZ	35.3199, 24.3665, 49.8605
YIQ	138.8880, 25.4840, 44.7800

# Conversions

## Conversions Part 2

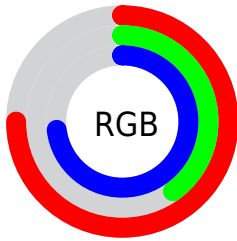
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">191, 103, 187</a>
Decimal	<a href="#">12543931</a>
CIELab	<a href="#">56.45, 47.17, -29.24</a>
CIELCh	<a href="#">56, 55.500, 328.210</a>
Yxy	<a href="#">24.3665, 0.3224, 0.2224</a>
Android (android.graphics.Color)	<a href="#">4290734011 (0xFFBF67BB)</a>
YUV	<a href="#">138.8880, 23.7192, 45.7022</a>
Hunter-Lab	<a href="#">49.3624, 41.3365, -25.3346</a>

# Details

The YIQ color  $138.8880, 25.4840, 44.7800$  is a light color, and the websafe version is hex  $CC66CC$ . A complement of this color would be  $155.1120, -25.4840, -44.7800$ , and the grayscale version is  $139.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $194.3120, 27.2260, 46.2500$ , and  $85.4640, 23.7420, 43.3100$  is the 20% darker color. If you saturate the color by 10%, you get  $127.6210, 31.0300, 54.4060$ , and if you desaturate by 10%, it is  $150.1550, 19.9380, 35.1540$ .

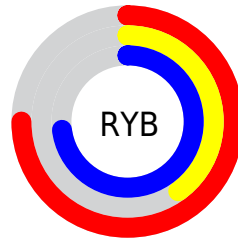
# Distribution



Red (75%)

Green (40%)

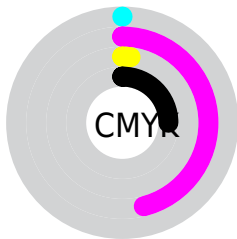
Blue (73%)



Red (75%)

Yellow (40%)

Blue (73%)

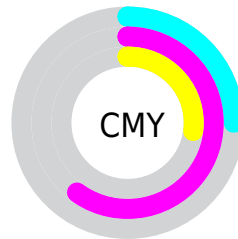


Cyan (0%)

Magenta (46%)

Yellow (2%)

Black (25%)



Cyan (25%)

Magenta (60%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 138.8880, 25.4840, 44.7800 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 138.8880, 25.4840, 44.7800 by changing the saturation by 10% instead.



138.8880, 25.4840,  
44.7800

138.8880, 25.4840,  
44.7800

255.0000, -0.0000,  
-0.0000

112.1760, 24.6130,  
44.0450

194.3120, 27.2260,  
46.2500

85.7630, 24.3380,  
43.5220

213.3230, 19.5250,  
37.1330

57.8170, 24.2460,  
45.1900

230.3460, 11.5500,  
21.9660

34.2790, 22.8250,  
43.4090

247.3690, 3.5750,  
6.7990

23.8830, 14.7120,  
30.7440

14.4980, 8.0660,  
19.0260

2.1830, -4.7690,

3.8310

0.0000, 0.0000,  
0.0000

138.8880, 25.4840,  
44.7800

138.8880, 25.4840,  
44.7800

127.6210, 31.0300,  
54.4060

150.1550, 19.9380,  
35.1540

116.3540, 36.5760,  
64.0320

161.4220, 14.3920,  
25.5280

105.0870, 42.1220,  
73.6580

172.6890, 8.8460,  
15.9020

93.8200, 47.6680,  
83.2840

183.9560, 3.3000,  
6.2760

82.0800, 53.1680,  
93.7440

195.6960, -2.2000,  
-4.1840

■ 77.8570, 55.4140,  
97.0940

■ 206.9630, -7.7460,  
-13.8100

■ 218.2300,  
-13.2920, -23.4360

■ 228.9100,  
-18.5630, -32.5390

■ 229.0240,  
-18.8840, -32.2280

# Harmonies

## Analogous

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



136.8520, -27.5610, 31.4390



138.8880, 25.4840, 44.7800



134.5700, 61.4300, 43.1100

# Triad

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



138.8880, 25.4840, 44.7800



129.4130, 51.8600, -25.7720



113.2660, -101.2300, -26.6540

# Complementary

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



138.8880, 25.4840, 44.7800



155.1120, -25.4840, -44.7800

# 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.



107.6800, -85.5010, -41.8930



138.8880, 25.4840, 44.7800



124.8750, 14.9080, -38.9160

# Square

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



138.8880, 25.4840, 44.7800



132.0590, 71.4330, -0.5270



112.9020, -42.4480, -45.7120



114.5490, -111.7320, -12.5320



# Rectangle

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



138.8880, 25.4840, 44.7800



132.4060, 73.2150, 33.2710



112.9020, -42.4480, -45.7120



112.0290, -96.3690, -32.1530

# Sweetspot

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



138.8880, 25.4840, 44.7800



226.9280, 9.6710, 17.4710



113.9290, -26.4600, 28.0040



112.5590, 6.0960, 10.6720



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



138.8880, 25.4840, 44.7800



166.4840, 39.3260, 69.2620



133.9860, 39.2870, 31.4070



88.7170, 2.4750, 4.7070



64.4560, 45.6970, 80.4570



12.5750, 9.1670, 15.5910



# Inverse Universe

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



138.8880, 25.4840, 44.7800



166.4840, 39.3260, 69.2620



160.0140, -39.2870, -31.4070



88.7170, 2.4750, 4.7070



64.4560, 45.6970, 80.4570



12.5750, 9.1670, 15.5910



# Previews

## White Background



This preview shows how the YIQ color 138.8880, 25.4840, 44.7800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

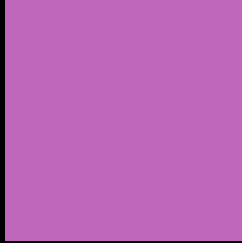
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 138.8880, 25.4840, 44.7800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

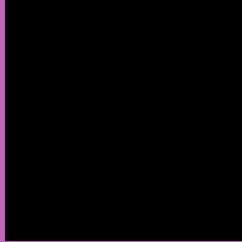
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 138.8880, 25.4840, 44.7800

## Background



This preview shows how black text looks on a background with the YIQ color 138.8880, 25.4840, 44.7800.



This preview shows how white text looks on a background with the YIQ color 138.8880, 25.4840,



# 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

138.8880, 25.4840, 44.7800

### Protanopia

134.2320, -40.8550, 19.0570

### Deuteranopia

136.3680, -21.0470, 12.4970



## Tritanopia

138.0590, 37.0430, 17.0030

# Trichromacy



## Original Color

138.8880, 25.4840, 44.7800



## Protanomaly

136.0180, -16.4650, 28.5830



## Deuteranomaly

137.3150, -4.3600, 23.9600



## Tritanomaly

138.5290, 33.1440, 27.0960

# Monochromacy



## Original Color

138.8880, 25.4840, 44.7800



## Achromatopsia

139.0000, -0.0000, 0.0000



## Achromatomaly

138.9880, 9.4420, 16.1140

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 138.8880, 25.4840, 44.7800 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(191, 103, 187)` looks like.

```
.text, #text, p{  
    color:rgb(191, 103, 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(191, 103, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 103, 187) }
```

## Border

The CSS property to change the border of an element to YIQ 138.8880, 25.4840, 44.7800 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(191, 103, 187) }
```



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

```
.border{ border-color:rgb(191, 103, 187) }
```

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

Here you see how a box with a 4 pixel rgb(191, 103, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 103, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 103, 187);  
box-shadow:4px 4px 4px 4px rgb(191, 103,  
187) }
```

# Background

The CSS property to change the background color of an element to YIQ 138.8880, 25.4840, 44.7800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 103, 187) }
```

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

```
.background{ background-color: rgb(191,  
103, 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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