

# Converting Colors

YIQ(138.5880, 43.8240, 42.8000)

Have a look what the booklet for  
YIQ(138.5880, 43.8240, 42.8000)  
contains.

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# Color

**YIQ(138.5880, 43.8240,  
42.8000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF63A3
RGB	207, 99, 163
RGB Percent	81%, 39%, 64%
CMY	0.1879, 0.6119, 0.3607
CMYK	0.00, 0.52, 0.21, 0.19
HSL	324°, 53%, 60%
HSV	324°, 52%, 81%
XYZ	36.8245, 24.8369, 37.5184
YIQ	138.5880, 43.8240, 42.8000

# Conversions

## Conversions Part 2

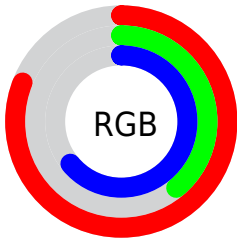
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 99, 163
Decimal	13591459
CIE Lab	56.92, 50.21, -14.50
CIE LCh	57, 52.262, 343.896
Yxy	24.8369, 0.3713, 0.2504
Android (android.graphics.Color)	4291781539 (0xFFCF63A3)
YUV	138.5880, 12.0351, 59.9973
Hunter-Lab	49.8366, 44.6805, -9.7495

# Details

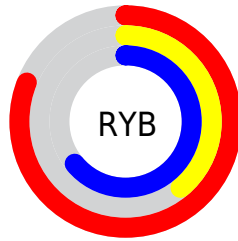
The YIQ color **138.5880, 43.8240, 42.8000** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **167.4120, -43.8240, -42.8000**, and the grayscale version is **138.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **190.9080, 39.9270, 41.8390**, and **83.9190, 41.3940, 42.7860** is the 20% darker color. If you saturate the color by 10%, you get **125.3490, 52.1670, 51.2950**, and if you desaturate by 10%, it is **151.8270, 35.4810, 34.3050**.

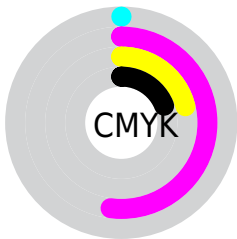
# Distribution



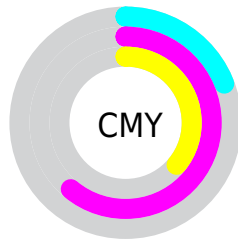
- Red (81%)
- Green (39%)
- Blue (64%)



- Red (81%)
- Yellow (39%)
- Blue (64%)



- Cyan (0%)
- Magenta (52%)
- Yellow (21%)
- Black (19%)



- Cyan (19%)
- Magenta (61%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 138.5880, 43.8240, 42.8000 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 138.5880, 43.8240, 42.8000 by changing the saturation by 10% instead.



138.5880, 43.8240,  
42.8000

138.5880, 43.8240,  
42.8000

255.0000, -0.0000,  
-0.0000

111.1040, 42.3110,  
42.6870

190.9080, 39.9270,  
41.8390

83.9190, 41.3940,  
42.7860

210.5360, 23.2390,  
35.9030

52.2660, 42.0350,  
47.6910

228.5850, 12.3750,  
23.5350

35.5870, 36.3970,  
39.7330

245.6080, 4.4000,  
8.3680

25.3050, 27.9630,  
27.3790

15.8490, 20.0790,  
16.0710

0.0000, 0.0000,

0.0000

■ 138.5880, 43.8240,  
42.8000

■ 138.5880, 43.8240,  
42.8000

■ 125.3490, 52.1670,  
51.2950

■ 151.8270, 35.4810,  
34.3050

■ 112.5830, 60.5560,  
58.9560

■ 164.5930, 27.0920,  
26.6440

■ 99.3440, 68.8990,  
67.4510

■ 177.8320, 18.7490,  
18.1490

■ 85.9910, 77.5630,  
75.6350

■ 191.1850, 10.0850,  
9.9650

■ 75.9150, 83.8890,  
82.1370

■ 203.8370, 2.0170,  
1.9930

■ 217.1900, -6.6470,  
-6.1910

■ 230.4290,  
-14.9900, -14.6860

■ 237.9120,  
-20.9040, -17.6400

■ 238.8240,  
-23.4720, -15.1520

# Harmonies

## Analogous

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



140.8680, 1.8730, 37.6570



138.5880, 43.8240, 42.8000



135.4700, 67.1630, 32.8190

# Triad

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



138.5880, 43.8240, 42.8000



129.4860, 32.4210, -31.4110



114.2580, -106.7790, -19.6990

# Complementary

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



138.5880, 43.8240, 42.8000



167.4120, -43.8240, -42.8000

# 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.



111.2310, -94.1220, -34.3300



138.5880, 43.8240, 42.8000



123.1850, -9.3920, -39.0560

# Square

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



138.5880, 43.8240, 42.8000



132.6240, 59.0560, -13.0080



104.6990, -78.4850, -47.9010



112.4120, -112.6040, -7.7400



# Rectangle

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



138.5880, 43.8240, 42.8000



134.4900, 72.4380, 19.8140



104.6990, -78.4850, -47.9010



113.9500, -103.1560, -24.7880

# Sweetspot

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



138.5880, 43.8240, 42.8000



228.9950, 16.7320, 16.1560



124.1690, -9.0400, 42.7040



112.1850, 10.0850, 9.9650



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.



138.5880, 43.8240, 42.8000



153.0830, 65.1400, 63.9880



132.5460, 60.8370, 26.3170



97.9730, 4.6300, 4.1980



61.6320, 68.0280, 66.7160



14.9950, 16.7320, 16.1560



# Inverse Universe

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



138.5880, 43.8240, 42.8000



153.0830, 65.1400, 63.9880



173.4540, -60.8370, -26.3170



97.9730, 4.6300, 4.1980



61.6320, 68.0280, 66.7160



14.9950, 16.7320, 16.1560



# Previews

## White Background



This preview shows how the YIQ color 138.5880, 43.8240, 42.8000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

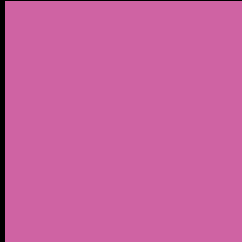
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 138.5880, 43.8240, 42.8000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

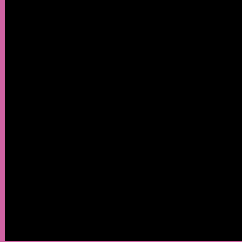
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 138.5880, 43.8240, 42.8000

## Background



This preview shows how black text looks on a background with the YIQ color 138.5880, 43.8240, 42.8000.



This preview shows how white text looks on a background with the YIQ color 138.5880, 43.8240,

42.8000.

# 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

138.5880, 43.8240, 42.8000

### Protanopia

136.9700, -25.6780, 13.8260

### Deuteranopia

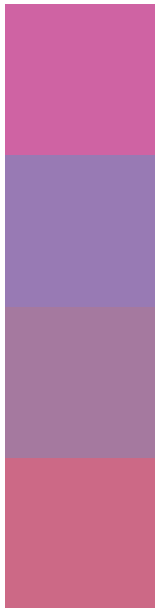
138.7150, -3.2110, 8.6370



## Tritanopia

138.0180, 53.4560, 22.4160

# Trichromacy



## Original Color

138.5880, 43.8240, 42.8000

## Protanomaly

137.5820, -0.7380, 24.3980

## Deuteranomaly

138.4880, 14.0260, 21.1460

## Tritanomaly

137.9070, 49.6950, 30.0070

# Monochromacy



## Original Color

138.5880, 43.8240, 42.8000

## Achromatopsia

139.0000, -0.0000, 0.0000

## Achromatomaly

138.6960, 16.1360, 15.9440

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 138.5880, 43.8240, 42.8000 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(207, 99, 163)` looks like.

```
.text, #text, p{  
    color:rgb(207, 99, 163)  
}
```

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(207, 99, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 99, 163) }
```

## Border

The CSS property to change the border of an element to YIQ 138.5880, 43.8240, 42.8000 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(207, 99, 163) }
```



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

```
.border{ border-color:rgb(207, 99, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 99, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 99, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 99, 163);  
box-shadow:4px 4px 4px 4px rgb(207, 99,  
163) }
```

# Background

The CSS property to change the background color of an element to YIQ 138.5880, 43.8240, 42.8000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 99, 163) }
```

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

```
.background{ background-color: rgb(207, 99,  
163) }
```

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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