

# Converting Colors

YIQ(121.6840, 51.9410, 33.3570)

Have a look what the booklet for  
YIQ(121.6840, 51.9410, 33.3570)  
contains.

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# Color

**YIQ(121.6840, 51.9410,  
33.3570)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C05679
RGB	192, 86, 121
RGB Percent	75%, 34%, 47%
CMY	0.2468, 0.6629, 0.5253
CMYK	0.00, 0.55, 0.37, 0.25
HSL	340°, 46%, 55%
HSV	340°, 55%, 75%
XYZ	28.5342, 19.2457, 20.3147
YIQ	121.6840, 51.9410, 33.3570

# Conversions

## Conversions Part 2

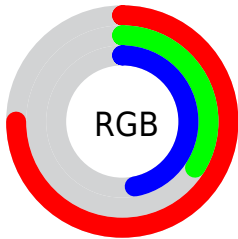
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">192, 86, 121</a>
Decimal	<a href="#">12605049</a>
CIELab	<a href="#">50.97, 46.12, 1.19</a>
CIElCh	<a href="#">51, 46.132, 1.477</a>
Yxy	<a href="#">19.2457, 0.4190, 0.2826</a>
Android (android.graphics.Color)	<a href="#">4290795129 (0xFFC05679)</a>
YUV	<a href="#">121.6840, -0.3372, 61.6671</a>
Hunter-Lab	<a href="#">43.8699, 39.3289, 3.2537</a>

# Details

The YIQ color **121.6840, 51.9410, 33.3570** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **156.3160, -51.9410, -33.3570**, and the grayscale version is **122.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **176.3640, 55.8380, 34.3180**, and **67.4710, 48.2270, 34.5870** is the 20% darker color. If you saturate the color by 10%, you get **109.0490, 61.3390, 39.2510**, and if you desaturate by 10%, it is **134.3190, 42.5430, 27.4630**.

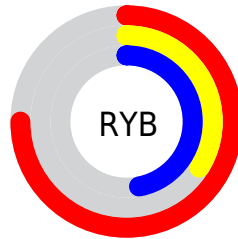
# Distribution



Red (75%)

Green (34%)

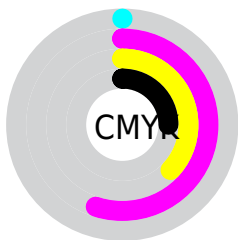
Blue (47%)



Red (75%)

Yellow (34%)

Blue (47%)

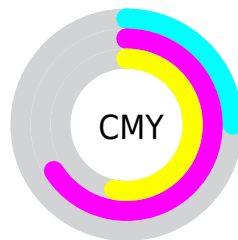


Cyan (0%)

Magenta (55%)

Yellow (37%)

Black (25%)



Cyan (25%)

Magenta (66%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 121.6840, 51.9410, 33.3570 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 121.6840, 51.9410, 33.3570 by changing the saturation by 10% instead.





 121.6840, 51.9410,  
33.3570


 121.6840, 51.9410,  
33.3570


255.0000, -0.0000,  
-0.0000


 94.9010, 49.8320,  
33.0320


 176.3640, 55.8380,  
34.3180


 67.4710, 48.2270,  
34.5870


 197.1880, 41.5340,  
29.2300

 37.6930, 47.7220,  
38.2340


 216.8160, 24.8460,  
23.2940

 27.3400, 38.0500,  
26.2900

 236.2160, 8.8000,  
16.7360

 17.0860, 32.4130,  
12.8050

253.8260, 0.5500,  
1.0460

 5.0830, 10.1320,  
3.6040

 0.0000, 0.0000,

0.0000

■ 121.6840, 51.9410,  
33.3570

■ 121.6840, 51.9410,  
33.3570

■ 109.0490, 61.3390,  
39.2510

■ 134.3190, 42.5430,  
27.4630

■ 96.4140, 70.7370,  
45.1450

■ 146.9540, 33.1450,  
21.5690

■ 83.1920, 80.4100,  
51.5620

■ 160.1760, 23.4720,  
15.1520

■ 70.6710, 89.4870,  
57.7670

■ 172.6970, 14.3950,  
8.9470

■ 64.7040, 93.8880,  
60.6080

■ 185.3320, 4.9970,  
3.0530

■ 197.9670, -4.4010,  
-2.8410

■ 210.6020,  
-13.7990, -8.7350

■ 223.8240,  
-23.4720, -15.1520

■ 234.1110,  
-31.7700, -18.9540

# Harmonies

## Analogous

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



124.5470, 24.7060, 36.8500



121.6840, 51.9410, 33.3570



119.9880, 62.1680, 18.7120

# Triad

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



121.6840, 51.9410, 33.3570



112.7960, 8.1210, -31.5510



100.9050, -98.1150, -11.5150

# Complementary

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



121.6840, 51.9410, 33.3570



156.3160, -51.9410, -33.3570

# 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.



100.5340, -90.1810, -23.1490



121.6840, 51.9410, 33.3570



103.5100, -38.0480, -37.3440

# Square

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



121.6840, 51.9410, 33.3570



116.8170, 39.1590, -21.3610



96.6750, -77.9370, -35.8010



106.9390, -77.1190, 4.4570



# Rectangle

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



121.6840, 51.9410, 33.3570



119.4740, 60.1990, 4.8310



96.6750, -77.9370, -35.8010



101.1670, -96.0970, -15.0490

# Sweetspot

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



121.6840, 51.9410, 33.3570



221.4530, 21.1340, 13.4700



119.3130, 8.2900, 48.0180



108.3870, 12.3320, 7.7880



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.



121.6840, 51.9410, 33.3570



140.6050, 80.6850, 52.0850



128.2600, 58.2260, 13.0580



90.3320, 4.9970, 3.0530



54.1810, 78.9430, 50.6150



11.1210, 16.1370, 10.4170



# Inverse Universe

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



121.6840, 51.9410, 33.3570



140.6050, 80.6850, 52.0850



149.7400, -58.2260, -13.0580



90.3320, 4.9970, 3.0530



54.1810, 78.9430, 50.6150

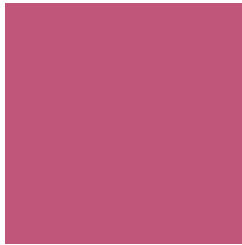


11.1210, 16.1370, 10.4170



# Previews

## White Background



This preview shows how the YIQ color 121.6840, 51.9410, 33.3570 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

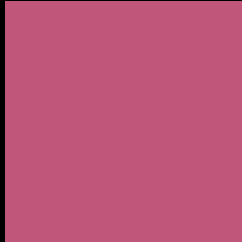
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 121.6840, 51.9410, 33.3570 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

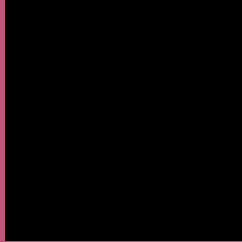
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 121.6840, 51.9410, 33.3570

## Background



This preview shows how black text looks on a background with the YIQ color 121.6840, 51.9410, 33.3570.



This preview shows how white text looks on a background with the YIQ color 121.6840, 51.9410,



# 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

121.6840, 51.9410, 33.3570

### Protanopia

122.4970, -8.5290, 5.8950

### Deuteranopia

123.1540, 11.3700, 3.1940



## Tritanopia

121.2850, 57.0780, 22.8540

# Trichromacy



## Original Color

121.6840, 51.9410, 33.3570

## Protanomaly

122.0270, 13.7060, 15.9300

## Deuteranomaly

122.3180, 25.9480, 14.3320

## Tritanomaly

121.4360, 55.3350, 26.9110

# Monochromacy



## Original Color

121.6840, 51.9410, 33.3570

## Achromatopsia

122.0000, 0.0000, -0.0000

## Achromatomaly

121.8440, 18.4750, 12.0990

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 121.6840, 51.9410, 33.3570 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(192, 86, 121)` looks like.

```
.text, #text, p{  
    color:rgb(192, 86, 121)  
}
```

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(192, 86, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 86, 121) }
```

## Border

The CSS property to change the border of an element to YIQ 121.6840, 51.9410, 33.3570 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(192, 86, 121) }
```



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

```
.border{ border-color:rgb(192, 86, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 86, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 86, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 86, 121);  
box-shadow:4px 4px 4px 4px rgb(192, 86,  
121) }
```

# Background

The CSS property to change the background color of an element to YIQ 121.6840, 51.9410, 33.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 86, 121) }
```

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

```
.background{ background-color: rgb(192, 86,  
121) }
```

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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