

# Converting Colors

YIQ(123.5120, 40.9820, 39.2380)

Have a look what the booklet for  
YIQ(123.5120, 40.9820, 39.2380)  
contains.

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# Color

**YIQ(123.5120, 40.9820,  
39.2380)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB5791
RGB	187, 87, 145
RGB Percent	73%, 34%, 57%
CMY	0.2664, 0.6590, 0.4313
CMYK	0.00, 0.54, 0.22, 0.27
HSL	325°, 42%, 54%
HSV	325°, 54%, 73%
XYZ	29.0286, 19.4285, 29.0203
YIQ	123.5120, 40.9820, 39.2380

# Conversions

## Conversions Part 2

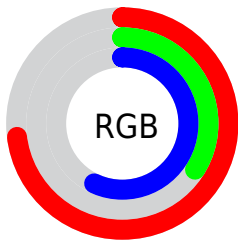
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 87, 145
Decimal	12277649
CIE <sub>Lab</sub>	51.18, 47.13, -12.87
CIE <sub>LCh</sub>	51, 48.855, 344.722
Yxy	19.4285, 0.3747, 0.2508
Android (android.graphics.Color)	4290467729 (0xFFBB5791)
YUV	123.5120, 10.5936, 55.6790
Hunter-Lab	44.0778, 40.4199, -8.1814

# Details

The YIQ color **123.5120, 40.9820, 39.2380** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **150.4880, -40.9820, -39.2380**, and the grayscale version is **123.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **178.1210, 43.6410, 40.6090**, and **69.3700, 38.5060, 40.0580** is the 20% darker color. If you saturate the color by 10%, you get **111.4470, 48.7750, 46.6870**, and if you desaturate by 10%, it is **135.5770, 33.1890, 31.7890**.

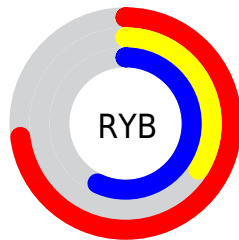
# Distribution



Red (73%)

Green (34%)

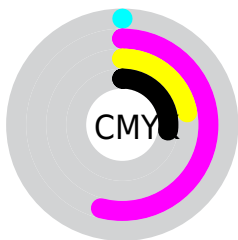
Blue (57%)



Red (73%)

Yellow (34%)

Blue (57%)

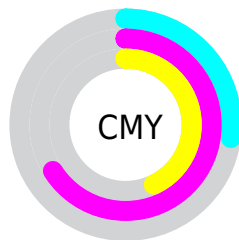


Cyan (0%)

Magenta (54%)

Yellow (22%)

Black (27%)



Cyan (27%)

Magenta (66%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 123.5120, 40.9820, 39.2380 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 123.5120, 40.9820, 39.2380 by changing the saturation by 10% instead.



■ 123.5120, 40.9820,  
39.2380

■ 123.5120, 40.9820,  
39.2380

255.0000, -0.0000,  
-0.0000

■ 96.9140, 39.7900,  
38.8140

■ 178.1210, 43.6410,  
40.6090

■ 69.3700, 38.5060,  
40.0580

■ 200.7390, 32.9130,  
36.7930

■ 39.1900, 39.1930,  
44.1290

■ 220.3670, 16.2250,  
30.8570

■ 28.4950, 30.4840,  
31.2520

■ 237.3900, 8.2500,  
15.6900

■ 19.3380, 23.1960,  
20.1560

254.4130, 0.2750,  
0.5230

■ 5.9800, 11.9200,  
4.2400

■ 0.0000, 0.0000,

0.0000

■ 123.5120, 40.9820,  
39.2380

■ 123.5120, 40.9820,  
39.2380

■ 111.4470, 48.7750,  
46.6870

■ 135.5770, 33.1890,  
31.7890

■ 99.9690, 56.2930,  
53.6130

■ 147.0550, 25.6710,  
24.8630

■ 87.9040, 64.0860,  
61.0620

■ 159.1200, 17.8780,  
17.4140

■ 75.9530, 71.5580,  
68.8220

■ 171.0710, 10.4060,  
9.6540

■ 68.3390, 76.4630,  
73.5430

■ 182.5490, 2.8880,  
2.7280

■ 194.6140, -4.9050,  
-4.7210

■ 206.6790,  
-12.6980, -12.1700

■ 218.7440,  
-20.4910, -19.6190

■ 230.2220,  
-28.0090, -26.5450

# Harmonies

## Analogous

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



125.7710, 3.5240, 35.2680



123.5120, 40.9820, 39.2380



120.5510, 62.4410, 30.2890

# Triad

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



123.5120, 40.9820, 39.2380



115.2130, 28.9360, -28.8240



102.7000, -96.2800, -17.2400

# Complementary

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



123.5120, 40.9820, 39.2380



150.4880, -40.9820, -39.2380

# 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.



99.5420, -84.6320, -30.1040



123.5120, 40.9820, 39.2380



109.5810, -10.4470, -36.4550

# Square

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



123.5120, 40.9820, 39.2380



118.4000, 53.8750, -12.7250



93.9390, -70.2330, -43.2650



101.0990, -101.4170, -6.7370



# Rectangle

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



123.5120, 40.9820, 39.2380



120.2010, 65.8820, 17.4820



93.9390, -70.2330, -43.2650



101.9190, -92.7030, -21.4950

# Sweetspot

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



123.5120, 40.9820, 39.2380



217.2830, 15.8610, 15.4210



110.9580, -7.0680, 40.0040



107.4730, 9.2140, 9.2300



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.



123.5120, 40.9820, 39.2380



143.6050, 63.4900, 60.8500



117.8120, 57.0320, 23.6880



88.2610, 3.7590, 3.4630



57.7300, 64.6360, 62.1080



11.3210, 12.6980, 12.1700



# Inverse Universe

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



123.5120, 40.9820, 39.2380



143.6050, 63.4900, 60.8500



156.1880, -57.0320, -23.6880



88.2610, 3.7590, 3.4630



57.7300, 64.6360, 62.1080



11.3210, 12.6980, 12.1700



# Previews

## White Background



This preview shows how the YIQ color 123.5120, 40.9820, 39.2380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

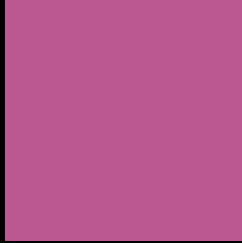
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 123.5120, 40.9820, 39.2380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

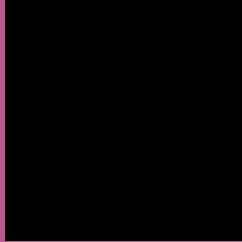
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 123.5120, 40.9820, 39.2380

## Background



This preview shows how black text looks on a background with the YIQ color 123.5120, 40.9820, 39.2380.



This preview shows how white text looks on a background with the YIQ color 123.5120, 40.9820,



# 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

123.5120, 40.9820, 39.2380

### Protanopia

122.5850, -23.1560, 12.1720

### Deuteranopia

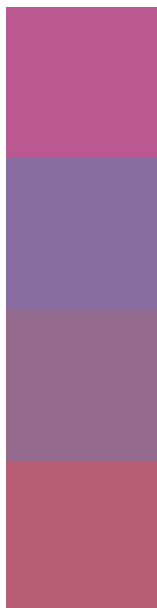
123.4870, -2.5690, 8.0150



## Tritanopia

122.8110, 49.6050, 20.6210

# Trichromacy



## Original Color

123.5120, 40.9820, 39.2380

## Protanomaly

123.1860, 0.3170, 21.7970

## Deuteranomaly

123.2490, 13.2010, 19.5770

## Tritanomaly

123.0590, 46.2110, 27.0670

# Monochromacy



## Original Color

123.5120, 40.9820, 39.2380

## Achromatopsia

124.0000, -0.0000, -0.0000

## Achromatomaly

124.1580, 14.7150, 14.1630

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 123.5120, 40.9820, 39.2380 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(187, 87, 145)` looks like.

```
.text, #text, p{  
    color:rgb(187, 87, 145)  
}
```

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(187, 87, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 87, 145) }
```

## Border

The CSS property to change the border of an element to YIQ 123.5120, 40.9820, 39.2380 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(187, 87, 145) }
```



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

```
.border{ border-color:rgb(187, 87, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 87, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 87, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 87, 145);  
box-shadow:4px 4px 4px 4px rgb(187, 87,  
145) }
```

# Background

The CSS property to change the background color of an element to YIQ 123.5120, 40.9820, 39.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 87, 145) }
```

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

```
.background{ background-color: rgb(187, 87,  
145) }
```

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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