

# Converting Colors

YIQ(125.8770, 41.2120, 35.0680)

Have a look what the booklet for  
YIQ(125.8770, 41.2120, 35.0680)  
contains.

<b>YIQ(125.8770, 41.2120, 35.0680)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(125.8770, 41.2120,  
35.0680)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB5C8C
RGB	187, 92, 140
RGB Percent	73%, 36%, 55%
CMY	0.2664, 0.6394, 0.4509
CMYK	0.00, 0.51, 0.25, 0.27
HSL	330°, 41%, 55%
HSV	330°, 51%, 73%
XYZ	29.0692, 20.1148, 27.1738
YIQ	125.8770, 41.2120, 35.0680

# Conversions

## Conversions Part 2

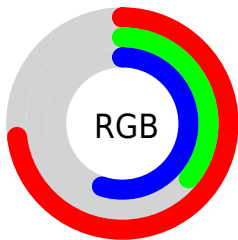
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 92, 140
Decimal	12278924
CIELab	51.97, 43.91, -8.74
CIElCh	52, 44.775, 348.749
Yxy	20.1148, 0.3807, 0.2634
Android (android.graphics.Color)	4290469004 (0xFFBB5C8C)
YUV	125.8770, 6.9626, 53.6049
Hunter-Lab	44.8496, 37.2078, -4.5285

# Details

The YIQ color **125.8770, 41.2120, 35.0680** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **153.1230, -41.2120, -35.0680**, and the grayscale version is **126.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **180.4860, 43.8710, 36.4390**, and **72.9090, 38.1860, 34.8420** is the 20% darker color. If you saturate the color by 10%, you get **113.6980, 49.3260, 42.2060**, and if you desaturate by 10%, it is **138.0560, 33.0980, 27.9300**.

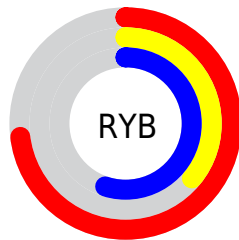
# Distribution



Red (73%)

Green (36%)

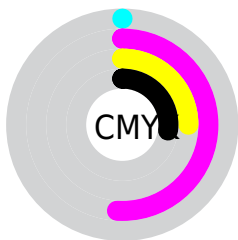
Blue (55%)



Red (73%)

Yellow (36%)

Blue (55%)

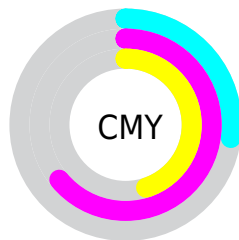


Cyan (0%)

Magenta (51%)

Yellow (25%)

Black (27%)



Cyan (27%)

Magenta (64%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 125.8770, 41.2120, 35.0680 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 125.8770, 41.2120, 35.0680 by changing the saturation by 10% instead.



125.8770, 41.2120,  
35.0680

125.8770, 41.2120,  
35.0680

255.0000, -0.0000,  
-0.0000

99.3930, 39.6990,  
34.9550

180.4860, 43.8710,  
36.4390

72.9090, 38.1860,  
34.8420

202.4030, 33.7390,  
32.8350

42.8430, 38.5520,  
39.2240

222.7320, 16.4550,  
26.6870

28.3380, 32.3640,  
30.2200

239.7380, 7.1500,  
13.5980

18.8820, 24.4800,  
18.9120

6.2790, 12.5160,  
4.4520

0.0000, 0.0000,

0.0000

■ 125.8770, 41.2120,  
35.0680

■ 125.8770, 41.2120,  
35.0680

■ 113.6980, 49.3260,  
42.2060

■ 138.0560, 33.0980,  
27.9300

■ 102.1060, 57.1650,  
48.8210

■ 149.7620, 24.9380,  
21.6260

■ 89.8130, 65.6000,  
55.6480

■ 161.9410, 16.8240,  
14.4880

■ 77.6340, 73.7140,  
62.7860

■ 174.1200, 8.7100,  
7.3500

■ 66.7430, 80.9570,  
69.1890

■ 185.7120, 0.8710,  
0.7350

■ 198.0050, -7.5640,  
-6.0920

■ 210.1840,  
-15.6780, -13.2300

■ 222.3630,  
-23.7920, -20.3680

■ 231.0200,  
-30.2560, -24.3680

# Harmonies

## Analogous

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



127.9410, 8.7970, 33.3170



125.8770, 41.2120, 35.0680



123.2360, 58.7740, 25.1580

# Triad

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



125.8770, 41.2120, 35.0680



117.5590, 22.1500, -26.9860



102.8140, -96.6010, -16.9290

# Complementary

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



125.8770, 41.2120, 35.0680



153.1230, -41.2120, -35.0680

# 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.



100.6990, -86.5120, -29.0720



125.8770, 41.2120, 35.0680



112.1230, -14.8490, -33.7690

# Square

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



125.8770, 41.2120, 35.0680



121.1650, 47.2270, -13.3890



95.6660, -73.7180, -40.6780



100.1700, -100.1790, -7.1470



# Rectangle

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



125.8770, 41.2120, 35.0680



122.9290, 60.6560, 13.0720



95.6660, -73.7180, -40.6780



102.2610, -93.6660, -20.5620

# Sweetspot

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



125.8770, 41.2120, 35.0680



218.8160, 15.6780, 13.2300



116.5840, -3.0790, 39.2970



107.9460, 9.2600, 8.3960



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.



125.8770, 41.2120, 35.0680



146.8020, 64.1330, 54.7010



120.6330, 55.9780, 20.7620



88.2610, 3.7590, 3.4630



56.3620, 68.4880, 58.3760



10.9790, 13.6610, 11.2370



# Inverse Universe

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



125.8770, 41.2120, 35.0680



146.8020, 64.1330, 54.7010



158.3670, -55.9780, -20.7620



88.2610, 3.7590, 3.4630



56.3620, 68.4880, 58.3760

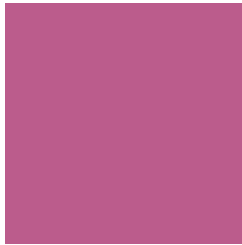


10.9790, 13.6610, 11.2370



# Previews

## White Background



This preview shows how the YIQ color 125.8770, 41.2120, 35.0680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

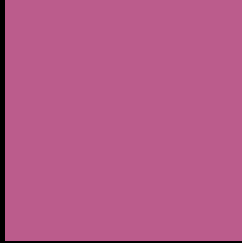
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 125.8770, 41.2120, 35.0680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

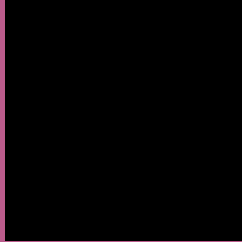
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 125.8770, 41.2120, 35.0680

## Background



This preview shows how black text looks on a background with the YIQ color 125.8770, 41.2120, 35.0680.



This preview shows how white text looks on a background with the YIQ color 125.8770, 41.2120,

35.0680.

# 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

125.8770, 41.2120, 35.0680

### Protanopia

124.9400, -16.9660, 10.1220

### Deuteranopia

125.8850, 2.0620, 6.6860



## Tritanopia

125.2130, 48.4130, 20.1970

# Trichromacy



## Original Color

125.8770, 41.2120, 35.0680

## Protanomaly

125.3450, 4.1230, 18.8990

## Deuteranomaly

125.6360, 16.3650, 17.3010

## Tritanomaly

125.1190, 45.9820, 25.7100

# Monochromacy



## Original Color

125.8770, 41.2120, 35.0680

## Achromatopsia

126.0000, 0.0000, 0.0000

## Achromatomaly

126.1040, 14.8070, 12.4950

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 125.8770, 41.2120, 35.0680 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, 92, 140)` looks like.

```
.text, #text, p{  
    color:rgb(187, 92, 140)  
}
```

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, 92, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 92, 140) }
```

## Border

The CSS property to change the border of an element to YIQ 125.8770, 41.2120, 35.0680 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, 92, 140) }
```



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

```
.border{ border-color:rgb(187, 92, 140) }
```

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

Here you see how a box with a 4 pixel rgb(187, 92, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 92, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 92, 140);  
box-shadow:4px 4px 4px 4px rgb(187, 92,  
140) }
```

# Background

The CSS property to change the background color of an element to YIQ 125.8770, 41.2120, 35.0680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 92, 140) }
```

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

```
.background{ background-color: rgb(187, 92,  
140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor