

# Converting Colors

YIQ(127.1690, 43.6860, 45.3020)

Have a look what the booklet for  
YIQ(127.1690, 43.6860, 45.3020)  
contains.

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# Color

**YIQ(127.1690, 43.6860,  
45.3020)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5569C
RGB	197, 86, 156
RGB Percent	77%, 34%, 61%
CMY	0.2271, 0.6629, 0.3881
CMYK	0.00, 0.56, 0.21, 0.23
HSL	322°, 49%, 55%
HSV	322°, 56%, 77%
XYZ	32.3739, 20.9304, 33.7997
YIQ	127.1690, 43.6860, 45.3020

# Conversions

## Conversions Part 2

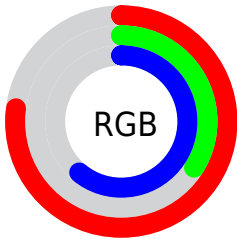
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 86, 156
Decimal	12932764
CIE <sub>Lab</sub>	52.87, 52.32, -16.67
CIE <sub>LCh</sub>	53, 54.910, 342.324
Yxy	20.9304, 0.3717, 0.2403
Android (android.graphics.Color)	4291122844 (0xFFC5569C)
YUV	127.1690, 14.2137, 61.2418
Hunter-Lab	45.7498, 46.2499, -11.7783

# Details

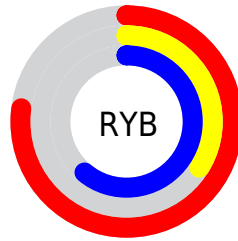
The YIQ color **127.1690, 43.6860, 45.3020** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **155.8310, -43.6860, -45.3020**, and the grayscale version is **127.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **182.4790, 45.7490, 46.4610**, and **70.8530, 41.7600, 47.1680** is the 20% darker color. If you saturate the color by 10%, you get **114.6310, 51.4330, 53.5850**, and if you desaturate by 10%, it is **139.7070, 35.9390, 37.0190**.

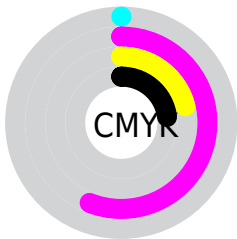
# Distribution



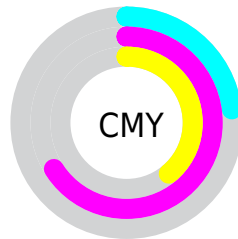
- Red (77%)
- Green (34%)
- Blue (61%)



- Red (77%)
- Yellow (34%)
- Blue (61%)



- Cyan (0%)
- Magenta (56%)
- Yellow (21%)
- Black (23%)




- Cyan (23%)
- Magenta (66%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 127.1690, 43.6860, 45.3020 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 127.1690, 43.6860, 45.3020 by changing the saturation by 10% instead.





 127.1690, 43.6860,  
45.3020


 127.1690, 43.6860,  
45.3020


255.0000, -0.0000,  
-0.0000


 99.6850, 42.1730,  
45.1890


 182.4790, 45.7490,  
46.4610

 70.8530, 41.7600,  
47.1680


 202.1070, 29.0610,  
40.5250

 42.9070, 41.6680,  
48.8360


 220.3670, 16.2250,  
30.8570

 32.2120, 32.9590,  
35.9590

 237.3900, 8.2500,  
15.6900

 22.0440, 24.2040,  
23.9160

254.4130, 0.2750,  
0.5230

 11.2350, 15.8160,  
10.7280

 0.0000, 0.0000,

0.0000

■ 127.1690, 43.6860,  
45.3020

■ 127.1690, 43.6860,  
45.3020

■ 114.6310, 51.4330,  
53.5850

■ 139.7070, 35.9390,  
37.0190

■ 102.5660, 59.2260,  
61.0340

■ 151.7720, 28.1460,  
29.5700

■ 90.0280, 66.9730,  
69.3170

■ 164.3100, 20.3990,  
21.2870

■ 77.4900, 74.7200,  
77.6000

■ 176.8480, 12.6520,  
13.0040

■ 73.0390, 77.6080,  
80.3280

■ 188.7990, 5.1800,  
5.2440

■ 201.4510, -2.8880,  
-2.7280

■ 213.9890,  
-10.6350, -11.0110

■ 226.5270,  
-18.3820, -19.2940

■ 233.8960,  
-23.9750, -22.5590

# Harmonies

## Analogous

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



129.7260, -0.6030, 38.4770



127.1690, 43.6860, 45.3020



123.3610, 69.0880, 36.4800

# Triad

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



127.1690, 43.6860, 45.3020



118.0580, 36.5020, -33.7860



107.8350, -101.0940, -18.1020

# Complementary

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



127.1690, 43.6860, 45.3020



155.8310, -43.6860, -45.3020

# 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.



103.9930, -87.5200, -32.8320



127.1690, 43.6860, 45.3020



112.2020, -8.0620, -41.1340

# Square

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



127.1690, 43.6860, 45.3020



121.9510, 62.4490, -13.9270



97.2330, -71.2410, -47.0250



106.2170, -107.5610, -5.5210



# Rectangle

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



127.1690, 43.6860, 45.3020



122.4410, 74.1340, 22.1180



97.2330, -71.2410, -47.0250



106.8260, -96.8750, -22.9790

# Sweetspot

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



127.1690, 43.6860, 45.3020



227.9350, 16.9610, 17.5130



110.9130, -11.1950, 43.2130



111.5980, 10.3600, 10.4880



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.



127.1690, 43.6860, 45.3020



146.1530, 68.1190, 70.5750



120.8990, 61.3410, 28.1970



93.3750, 3.4380, 3.7740



60.4790, 64.0850, 66.5890



13.3860, 14.0730, 14.7850



# Inverse Universe

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



127.1690, 43.6860, 45.3020



146.1530, 68.1190, 70.5750



162.1010, -61.3410, -28.1970



93.3750, 3.4380, 3.7740



60.4790, 64.0850, 66.5890



13.3860, 14.0730, 14.7850



# Previews

## White Background



This preview shows how the YIQ color 127.1690, 43.6860, 45.3020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

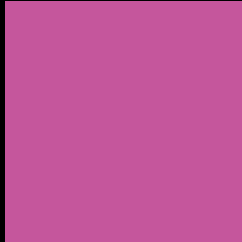
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 127.1690, 43.6860, 45.3020 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

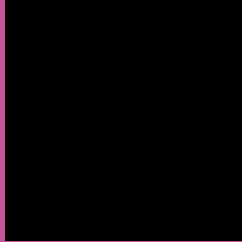
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 127.1690, 43.6860, 45.3020

## Background



This preview shows how black text looks on a background with the YIQ color 127.1690, 43.6860, 45.3020.



This preview shows how white text looks on a background with the YIQ color 127.1690, 43.6860,



# 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

127.1690, 43.6860, 45.3020

### Protanopia

126.4580, -29.9880, 14.8440

### Deuteranopia

128.1600, -5.9620, 8.9340



## Tritanopia

126.9040, 53.7770, 22.1050

# Trichromacy



## Original Color

127.1690, 43.6860, 45.3020

## Protanomaly

126.8530, -2.9390, 25.7410

## Deuteranomaly

127.6450, 12.1460, 22.1780

## Tritanomaly

127.3200, 49.9700, 30.5300

# Monochromacy



## Original Color

127.1690, 43.6860, 45.3020

## Achromatopsia

127.0000, -0.0000, -0.0000

## Achromatomaly

126.9240, 15.4940, 16.5660

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 127.1690, 43.6860, 45.3020 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(197, 86, 156)` looks like.

```
.text, #text, p{  
    color:rgb(197, 86, 156)  
}
```

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(197, 86, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 86, 156) }
```

## Border

The CSS property to change the border of an element to YIQ 127.1690, 43.6860, 45.3020 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(197, 86, 156) }
```



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

```
.border{ border-color:rgb(197, 86, 156) }
```

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

Here you see how a box with a 4 pixel rgb(197, 86, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 86, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 86, 156);  
box-shadow:4px 4px 4px 4px rgb(197, 86,  
156) }
```

# Background

The CSS property to change the background color of an element to YIQ 127.1690, 43.6860, 45.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 86, 156) }
```

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

```
.background{ background-color: rgb(197, 86,  
156) }
```

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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