

# Converting Colors

YIQ(157.1410, 14.5260, 45.1340)

Have a look what the booklet for  
YIQ(157.1410, 14.5260, 45.1340)  
contains.

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# Color

**YIQ(157.1410, 14.5260,  
45.1340)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C77CDA
RGB	199, 124, 218
RGB Percent	78%, 49%, 85%
CMY	0.2194, 0.5138, 0.1451
CMYK	0.09, 0.43, 0.00, 0.15
HSL	288°, 56%, 67%
HSV	288°, 43%, 85%
XYZ	43.4273, 31.6196, 70.1413
YIQ	157.1410, 14.5260, 45.1340

# Conversions

## Conversions Part 2

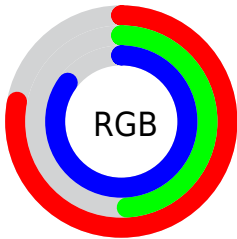
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 124, 218
Decimal	13073626
CIE Lab	63.03, 44.47, -36.48
CIE LCh	63, 57.516, 320.640
Yxy	31.6196, 0.2991, 0.2178
Android (android.graphics.Color)	4291263706 (0xFFC77CDA)
YUV	157.1410, 30.0035, 36.7103
Hunter-Lab	56.2313, 39.4505, -34.5947

# Details

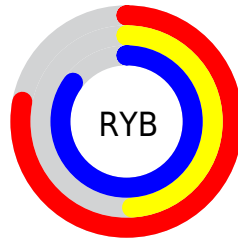
The YIQ color **157.1410, 14.5260, 45.1340** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **184.8590, -14.5260, -45.1340**, and the grayscale version is **157.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **209.8010, 21.1750, 40.2710**, and **103.6030, 13.1050, 43.3530** is the 20% darker color. If you saturate the color by 10%, you get **143.0310, 18.1920, 55.7920**, and if you desaturate by 10%, it is **171.2510, 10.8600, 34.4760**.

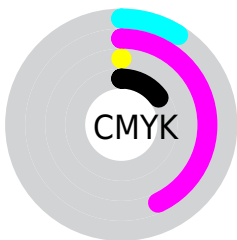
# Distribution



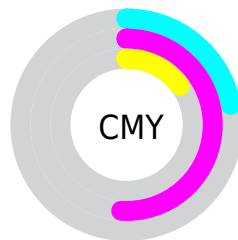
- Red (78%)
- Green (49%)
- Blue (85%)



- Red (78%)
- Yellow (49%)
- Blue (85%)



- Cyan (9%)
- Magenta (43%)
- Yellow (0%)
- Black (15%)



- Cyan (22%)
- Magenta (51%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 157.1410, 14.5260, 45.1340 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 157.1410, 14.5260, 45.1340 by changing the saturation by 10% instead.



157.1410, 14.5260,  
45.1340

157.1410, 14.5260,  
45.1340

255.0000, -0.0000,  
-0.0000

130.3150, 13.9760,  
44.0880

209.8010, 21.1750,  
40.2710

103.6030, 13.1050,  
43.3530

226.2370, 13.4750,  
25.6270

77.7770, 12.5550,  
42.3070

243.2600, 5.5000,  
10.4600

51.1900, 12.8300,  
42.8300

29.2390, 11.1340,  
40.5260

19.3270, 4.5340,  
27.9740

6.2400, -8.9430,

13.4010

■ 2.4110, -5.4110,  
4.4530

■ 0.0000, 0.0000,  
0.0000

■ 157.1410, 14.5260,  
45.1340

■ 157.1410, 14.5260,  
45.1340

■ 143.0310, 18.1920,  
55.7920

■ 171.2510, 10.8600,  
34.4760

■ 128.6220, 21.2620,  
66.2380

■ 185.6600, 7.7900,  
24.0300

■ 115.0990, 24.6530,  
76.3730

■ 199.1830, 4.3990,  
13.8950

■ 100.9890, 28.3190,  
87.0310

■ 213.5920, 1.3290,  
3.4490

86.5800, 31.3890,  
97.4770

227.7020, -2.3370,  
-7.2090

76.8780, 33.7260,  
104.6860

241.8120, -6.0030,  
-17.8670

243.3070, -3.0230,  
-16.8070

244.5030, -0.6390,  
-15.9590

245.9980, 2.3410,  
-14.8990

# Harmonies

## Analogous

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



151.4630, -45.5790, 27.5810



157.1410, 14.5260, 45.1340



153.1660, 56.9360, 47.4640

# Triad

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



157.1410, 14.5260, 45.1340



147.3650, 60.9830, -20.4010



125.2170, -108.7020, -34.4140

# Complementary

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



157.1410, 14.5260, 45.1340



184.8590, -14.5260, -45.1340

# 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.



118.5880, -91.4140, -50.3740



157.1410, 14.5260, 45.1340



143.6330, 27.3330, -38.3230

# Square

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



157.1410, 14.5260, 45.1340



149.8090, 78.3090, 7.0210



134.7700, -24.5210, -45.7130



127.8850, -121.7260, -18.6380



# Rectangle

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



157.1410, 14.5260, 45.1340



151.2800, 73.8100, 39.0100



134.7700, -24.5210, -45.7130



123.2790, -103.2450, -39.7010

# Sweetspot

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



157.1410, 14.5260, 45.1340



233.5360, 4.9030, 15.7750



146.4560, -35.6740, 18.7740



114.1780, 2.7950, 9.9230



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.



157.1410, 14.5260, 45.1340



168.8560, 20.4830, 63.8350



159.7440, 34.5170, 40.7650



102.6460, 1.2370, 5.1170



60.9840, 26.7150, 83.0590



16.3070, 7.2860, 22.1500



# Inverse Universe

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



154.2720, 49.9250, 25.8370



164.8450, 70.6010, 36.5930



182.2560, -34.5170, -40.7650



102.5170, 5.9140, 2.9540



55.7170, 91.8730, 47.5610

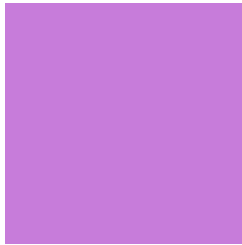


14.7800, 24.5270, 12.5510



# Previews

## White Background



This preview shows how the YIQ color 157.1410, 14.5260, 45.1340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

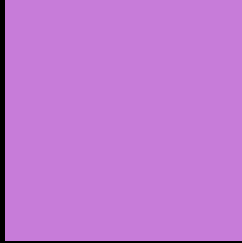
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 157.1410, 14.5260, 45.1340 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

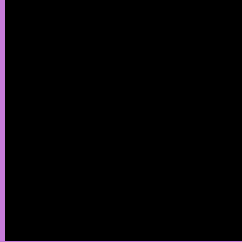
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 157.1410, 14.5260, 45.1340

## Background



This preview shows how black text looks on a background with the YIQ color 157.1410, 14.5260, 45.1340.



This preview shows how white text looks on a background with the YIQ color 157.1410, 14.5260,



# 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

157.1410, 14.5260, 45.1340

### Protanopia

151.2900, -46.7700, 21.6300

### Deuteranopia

152.6860, -30.6300, 15.4660



## Tritanopia

155.2040, 26.2690, 14.0210

# Trichromacy



## Original Color

157.1410, 14.5260, 45.1340

## Protanomaly

153.7660, -24.4430, 29.9970

## Deuteranomaly

154.2200, -14.2180, 26.4060

## Tritanomaly

156.3150, 22.0030, 25.2590

# Monochromacy



## Original Color

157.1410, 14.5260, 45.1340

## Achromatopsia

157.0000, 0.0000, -0.0000

## Achromatomaly

156.9490, 5.1780, 16.2980

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 157.1410, 14.5260, 45.1340 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(199, 124, 218)` looks like.

```
.text, #text, p{  
    color:rgb(199, 124, 218)  
}
```

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(199, 124, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 124, 218) }
```

## Border

The CSS property to change the border of an element to YIQ 157.1410, 14.5260, 45.1340 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(199, 124, 218) }
```



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

```
.border{ border-color:rgb(199, 124, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 124, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 124, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 124, 218);  
box-shadow:4px 4px 4px 4px rgb(199, 124,  
218) }
```

# Background

The CSS property to change the background color of an element to YIQ 157.1410, 14.5260, 45.1340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 124, 218) }
```

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

```
.background{ background-color: rgb(199,  
124, 218) }
```

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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