

# Converting Colors

YIQ(135.5770, 42.3570, 41.8530)

Have a look what the booklet for  
YIQ(135.5770, 42.3570, 41.8530)  
contains.

<b>YIQ(135.5770, 42.3570, 41.8530)</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(135.5770, 42.3570,  
41.8530)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA61A0
RGB	202, 97, 160
RGB Percent	79%, 38%, 63%
CMY	0.2076, 0.6198, 0.3724
CMYK	0.00, 0.52, 0.21, 0.21
HSL	324°, 50%, 59%
HSV	324°, 52%, 79%
XYZ	34.9955, 23.6472, 35.9916
YIQ	135.5770, 42.3570, 41.8530

# Conversions

## Conversions Part 2

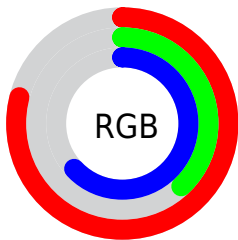
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">202, 97, 160</a>
Decimal	<a href="#">13263264</a>
CIELab	<a href="#">55.73, 49.17, -14.61</a>
CIELCh	<a href="#">56, 51.298, 343.455</a>
Yxy	<a href="#">23.6472, 0.3698, 0.2499</a>
Android (android.graphics.Color)	<a href="#">4291453344 (0xFFCA61A0)</a>
YUV	<a href="#">135.5770, 12.0405, 58.2530</a>
Hunter-Lab	<a href="#">48.6284, 43.3581, -9.8427</a>

# Details

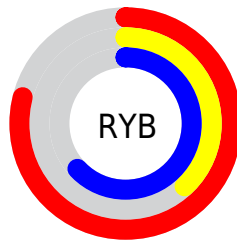
The YIQ color **135.5770, 42.3570, 41.8530** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **163.4230, -42.3570, -41.8530**, and the grayscale version is **135.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **189.3920, 41.4400, 41.9520**, and **80.9080, 39.9270, 41.8390** is the 20% darker color. If you saturate the color by 10%, you get **122.9250, 50.4250, 49.8250**, and if you desaturate by 10%, it is **148.2290, 34.2890, 33.8810**.

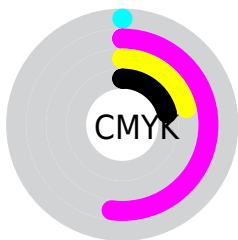
# Distribution



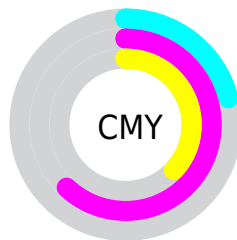
- Red (79%)
- Green (38%)
- Blue (63%)



- Red (79%)
- Yellow (38%)
- Blue (63%)



- Cyan (0%)
- Magenta (52%)
- Yellow (21%)
- Black (21%)




- Cyan (21%)
- Magenta (62%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 135.5770, 42.3570, 41.8530 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 135.5770, 42.3570, 41.8530 by changing the saturation by 10% instead.





 135.5770, 42.3570,  
41.8530


 135.5770, 42.3570,  
41.8530


255.0000, -0.0000,  
-0.0000


 108.0930, 40.8440,  
41.7400


 189.3920, 41.4400,  
41.9520

 80.9080, 39.9270,  
41.8390


 209.0200, 24.7520,  
36.0160


 49.5540, 41.1640,  
46.9560

 226.8240, 13.2000,  
25.1040

 34.1630, 34.6550,  
38.2630

 243.8470, 5.2250,  
9.9370

 23.8810, 26.2210,  
25.9090

 14.1970, 18.9790,  
13.9790

 0.0000, 0.0000,

0.0000

■ 135.5770, 42.3570,  
41.8530

■ 135.5770, 42.3570,  
41.8530

■ 122.9250, 50.4250,  
49.8250

■ 148.2290, 34.2890,  
33.8810

■ 110.2730, 58.4930,  
57.7970

■ 160.8810, 26.2210,  
25.9090

■ 97.0340, 66.8360,  
66.2920

■ 174.1200, 17.8780,  
17.4140

■ 84.3820, 74.9040,  
74.2640

■ 186.7720, 9.8100,  
9.4420

■ 74.1920, 81.5510,  
80.4550

■ 199.4240, 1.7420,  
1.4700

■ 212.1900, -6.6470,  
-6.1910

■ 224.8420,  
-14.7150, -14.1630

■ 235.7330,  
-21.9580, -20.5660

■ 236.6450,  
-24.5260, -18.0780

# Harmonies

## Analogous

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



137.4550, 1.5980, 37.1340



135.5770, 42.3570, 41.8530



131.9860, 65.6500, 32.7060

# Triad

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



135.5770, 42.3570, 41.8530



127.0130, 32.3750, -30.5770



111.9270, -104.3490, -19.6850

# Complementary

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



135.5770, 42.3570, 41.8530



163.4230, -42.3570, -41.8530

# 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.



108.4270, -91.7380, -33.4820



135.5770, 42.3570, 41.8530



120.8970, -8.5210, -38.3210

# Square

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



135.5770, 42.3570, 41.8530



129.8520, 58.4140, -12.3860



102.5960, -76.6970, -47.2650



110.0810, -110.1740, -7.7260



# Rectangle

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



135.5770, 42.3570, 41.8530



131.7070, 70.3290, 19.4890



102.5960, -76.6970, -47.2650



111.0320, -100.4510, -24.2510

# Sweetspot

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



135.5770, 42.3570, 41.8530



229.1090, 16.4110, 16.4670



120.9300, -9.8650, 41.1350



112.1850, 10.0850, 9.9650



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.



135.5770, 42.3570, 41.8530



155.0720, 63.6730, 63.0410



129.7630, 58.7280, 25.9920



95.6740, 4.0340, 3.9860



60.9200, 67.1570, 65.9810



13.9840, 15.2650, 15.2090



# Inverse Universe

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



135.5770, 42.3570, 41.8530



155.0720, 63.6730, 63.0410



169.2370, -58.7280, -25.9920



95.6740, 4.0340, 3.9860



60.9200, 67.1570, 65.9810



13.9840, 15.2650, 15.2090



# Previews

## White Background



This preview shows how the YIQ color 135.5770, 42.3570, 41.8530 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 135.5770, 42.3570, 41.8530 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

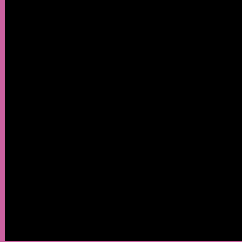
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 135.5770, 42.3570, 41.8530

## Background



This preview shows how black text looks on a background with the YIQ color 135.5770, 42.3570, 41.8530.



This preview shows how white text looks on a background with the YIQ color 135.5770, 42.3570,



# 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

135.5770, 42.3570, 41.8530

### Protanopia

133.8560, -25.3570, 13.5150

### Deuteranopia

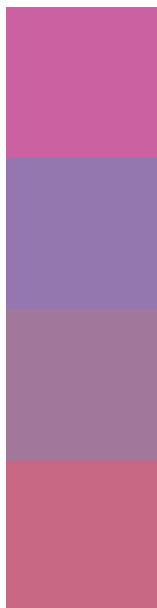
135.4160, -3.8070, 8.4250



## Tritanopia

135.0070, 51.9890, 21.4690

# Trichromacy



## Original Color

135.5770, 42.3570, 41.8530

## Protanomaly

134.4680, -0.4170, 24.0870

## Deuteranomaly

135.7760, 13.1550, 20.4110

## Tritanomaly

134.8960, 48.2280, 29.0600

# Monochromacy



## Original Color

135.5770, 42.3570, 41.8530

## Achromatopsia

136.0000, -0.0000, 0.0000

## Achromatomaly

135.9840, 15.2650, 15.2090

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 135.5770, 42.3570, 41.8530 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(202, 97, 160)` looks like.

```
.text, #text, p{  
    color:rgb(202, 97, 160)  
}
```

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(202, 97, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 97, 160) }
```

## Border

The CSS property to change the border of an element to YIQ 135.5770, 42.3570, 41.8530 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(202, 97, 160) }
```



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

```
.border{ border-color:rgb(202, 97, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 97, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 97, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 97, 160);  
box-shadow:4px 4px 4px 4px rgb(202, 97,  
160) }
```

# Background

The CSS property to change the background color of an element to YIQ 135.5770, 42.3570, 41.8530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 97, 160) }
```

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

```
.background{ background-color: rgb(202, 97,  
160) }
```

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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