

# Converting Colors

YIQ(186.5770, -2.3420, 20.4260)

Have a look what the booklet for  
YIQ(186.5770, -2.3420, 20.4260)  
contains.

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# Color

**YIQ(186.5770, -2.3420,  
20.4260)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5AEE0
RGB	197, 174, 224
RGB Percent	77%, 68%, 88%
CMY	0.2274, 0.3177, 0.1216
CMYK	0.12, 0.22, 0.00, 0.12
HSL	268°, 45%, 78%
HSV	268°, 22%, 88%
XYZ	51.6188, 47.5228, 76.9645
YIQ	186.5770, -2.3420, 20.4260

# Conversions

## Conversions Part 2

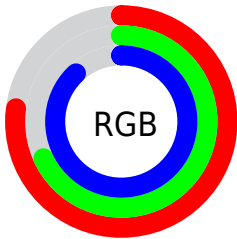
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	197, 174, 224
Decimal	12955360
CIE Lab	74.52, 17.75, -22.08
CIE LCh	75, 28.335, 308.793
Yxy	47.5228, 0.2931, 0.2699
Android (android.graphics.Color)	4291145440 (0xFFC5AEE0)
YUV	186.5770, 18.4495, 9.1410
Hunter-Lab	68.9368, 13.0185, -17.9386

# Details

The YIQ color  $186.5770, -2.3420, 20.4260$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $211.4230, 2.3420, -20.4260$ , and the grayscale version is  $186.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $240.0260, 6.2790, 12.8630$ , and  $133.6370, -2.5710, 19.0690$  is the 20% darker color. If you saturate the color by 10%, you get  $170.0750, -3.4440, 29.3880$ , and if you desaturate by 10%, it is  $203.0790, -1.2400, 11.4640$ .

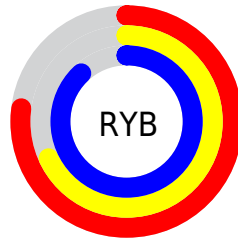
# Distribution



Red (77%)

Green (68%)

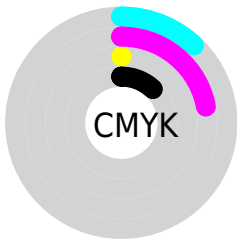
Blue (88%)



Red (77%)

Yellow (68%)

Blue (88%)

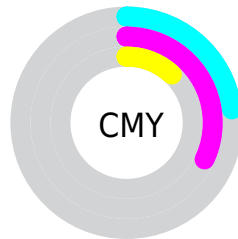


Cyan (12%)

Magenta (22%)

Yellow (0%)

Black (12%)



Cyan (23%)

Magenta (32%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 186.5770, -2.3420, 20.4260 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 186.5770, -2.3420, 20.4260 by changing the saturation by 10% instead.



■ 186.5770, -2.3420,  
20.4260

■ 186.5770, -2.3420,  
20.4260

255.0000, -0.0000,  
-0.0000

■ 159.4630, -2.0210,  
20.1150

■ 240.0260, 6.2790,  
12.8630

■ 133.6370, -2.5710,  
19.0690

■ 108.1100, -2.5250,  
18.2350

■ 83.5830, -2.4790,  
17.4010

■ 60.1700, -2.7540,  
16.8780

■ 38.2300, -2.9830,  
15.5210

■ 15.3550, -1.8370,

16.7790

■ 3.3230, -7.9790,  
6.9410

■ 0.0000, 0.0000,  
0.0000

■ 186.5770, -2.3420,  
20.4260

■ 186.5770, -2.3420,  
20.4260

■ 170.0750, -3.4440,  
29.3880

■ 203.0790, -1.2400,  
11.4640

■ 152.9860, -4.2710,  
38.8730

■ 220.1680, -0.4130,  
1.9790

■ 136.4840, -5.3730,  
47.8350

■ 236.6700, 0.6890,  
-6.9830

■ 119.3950, -6.2000,  
57.3200

■ 248.4760, 3.9910,  
-11.7610

■ 102.8930, -7.3020,  
66.2820

■ 251.4660, 9.9510,  
-9.6410

■ 86.3910, -8.4040,  
75.2440

■ 69.0030, -9.8270,  
84.5170

■ 56.3330, -10.5160,  
91.5000

# Harmonies

## Analogous

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



182.5350, -28.8870, 11.4090



186.5770, -2.3420, 20.4260



187.8480, 21.8200, 23.0680

# Triad

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



186.5770, -2.3420, 20.4260



183.2970, 38.4680, -3.3240



171.0750, -49.2840, -20.9320

# Complementary

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



186.5770, -2.3420, 20.4260



211.4230, 2.3420, -20.4260

# 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.



174.4120, -25.4880, -22.6720



186.5770, -2.3420, 20.4260



181.0620, 22.6520, -14.0520

# Square

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



186.5770, -2.3420, 20.4260



185.6110, 43.8760, 8.8040



178.5260, 0.5540, -21.0620



170.9570, -60.3350, -13.3830



# Rectangle

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



186.5770, -2.3420, 20.4260



187.0250, 34.3830, 21.1590



178.5260, 0.5540, -21.0620



172.1420, -42.2230, -22.2470

# Sweetspot

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



186.5770, -2.3420, 20.4260



241.4440, -1.0100, 7.2940



195.5490, -23.4750, 1.4290



119.7490, -0.5510, 4.4810



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.



186.5770, -2.3420, 20.4260



203.4340, -3.0770, 28.2430



193.7530, 11.9620, 25.5140



103.7490, -0.5510, 4.4810



44.2830, -8.2200, 71.9080



12.0500, -2.2960, 19.5920



# Inverse Universe

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



192.0280, 21.1330, 18.9970



210.8490, 29.2470, 26.1350



203.9480, -12.5580, -25.7260



104.9730, 4.6300, 4.1980



63.4540, 74.4010, 66.8570



17.3160, 20.2620, 18.2620



# Previews

## White Background



This preview shows how the YIQ color 186.5770, -2.3420, 20.4260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

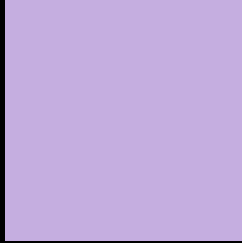
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 186.5770, -2.3420, 20.4260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

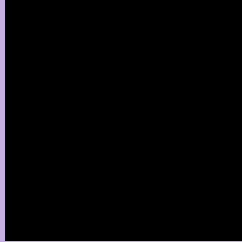
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 186.5770, -2.3420, 20.4260**

## **Background**



This preview shows how black text looks on a background with the YIQ color 186.5770, -2.3420, 20.4260.



This preview shows how white text looks on a background with the YIQ color 186.5770, -2.3420,



# 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

186.5770, -2.3420, 20.4260

### Protanopia

184.3680, -21.0470, 12.4970

### Deuteranopia

184.6140, -12.9320, 14.1080



## Tritanopia

184.5970, 2.9330, 7.4210

# Trichromacy



## Original Color

186.5770, -2.3420, 20.4260

## Protanomaly

185.0700, -14.2160, 15.3520

## Deuteranomaly

185.2340, -8.8060, 16.4260

## Tritanomaly

185.2750, 1.1440, 12.3120

# Monochromacy



## Original Color

186.5770, -2.3420, 20.4260

## Achromatopsia

187.0000, -0.0000, -0.0000

## Achromatomaly

186.7430, -0.4140, 7.5060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 186.5770, -2.3420, 20.4260 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, 174, 224)` looks like.

```
.text, #text, p{  
    color:rgb(197, 174, 224)  
}
```

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, 174, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 174, 224) }
```

## Border

The CSS property to change the border of an element to YIQ 186.5770, -2.3420, 20.4260 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".

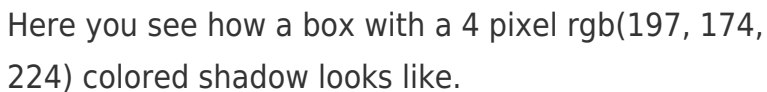
```
.border, #border, table{ border:4px solid rgb(197, 174, 224) }
```



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

```
.border{ border-color:rgb(197, 174, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 174, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 174, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 174, 224);  
box-shadow:4px 4px 4px 4px rgb(197, 174,  
224) }
```

# Background

The CSS property to change the background color of an element to YIQ 186.5770, -2.3420, 20.4260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 174, 224) }
```

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

```
.background{ background-color: rgb(197,  
174, 224) }
```

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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