

# Converting Colors

YIQ(193.4200, -0.4620, 19.3940)

Have a look what the booklet for  
YIQ(193.4200, -0.4620, 19.3940)  
contains.

<b>YIQ(193.4200, -0.4620, 19.3940)</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(193.4200, -0.4620,  
19.3940)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDB5E3
RGB	205, 181, 227
RGB Percent	80%, 71%, 89%
CMY	0.1960, 0.2902, 0.1098
CMYK	0.10, 0.20, 0.00, 0.11
HSL	271°, 45%, 80%
HSV	271°, 20%, 89%
XYZ	55.5685, 51.5715, 79.6916
YIQ	193.4200, -0.4620, 19.3940

# Conversions

## Conversions Part 2

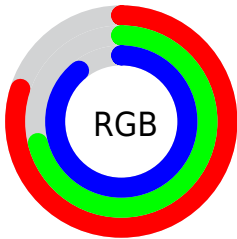
Format	Color
R <sub>YB</sub>	205, 181, 227
Decimal	13481443
CIE Lab	77.02, 17.12, -19.85
CIE LCh	77, 26.216, 310.777
Yxy	51.5715, 0.2974, 0.2760
Android (android.graphics.Color)	4291671523 (0xFFCDB5E3)
YUV	193.4200, 16.5549, 10.1557
Hunter-Lab	71.8133, 12.4486, -15.5252

# Details

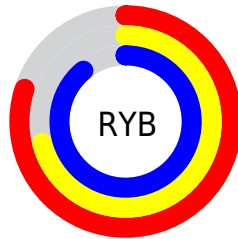
The YIQ color  $193.4200, -0.4620, 19.3940$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $214.5800, 0.4620, -19.3940$ , and the grayscale version is  $193.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $244.4340, 4.9500, 9.4140$ , and  $139.5940, -1.0120, 18.3480$  is the 20% darker color. If you saturate the color by 10%, you get  $176.6300, -0.6930, 29.0910$ , and if you desaturate by 10%, it is  $210.2100, -0.2310, 9.6970$ .

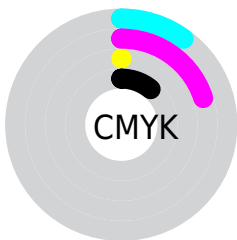
# Distribution



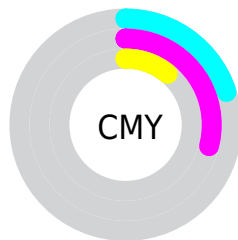
- Red (80%)
- Green (71%)
- Blue (89%)



- Red (80%)
- Yellow (71%)
- Blue (89%)



- Cyan (10%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (20%)
- Magenta (29%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 193.4200, -0.4620, 19.3940 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 193.4200, -0.4620, 19.3940 by changing the saturation by 10% instead.




 193.4200, -0.4620,  
19.3940

 193.4200, -0.4620,  
19.3940


255.0000, -0.0000,  
-0.0000


 166.0070, -0.7370,  
18.8710


 244.4340, 4.9500,  
9.4140

 139.5940, -1.0120,  
18.3480

 114.0670, -0.9660,  
17.5140

 89.5400, -0.9200,  
16.6800

 66.0130, -0.8740,  
15.8460

 43.6000, -1.1490,  
15.3230

 21.7740, -1.6990,

14.2770

■ 3.0780, -8.6670,  
8.3970

■ 0.0000, 0.0000,  
0.0000

■ 193.4200, -0.4620,  
19.3940

■ 193.4200, -0.4620,  
19.3940

■ 176.6300, -0.6930,  
29.0910

■ 210.2100, -0.2310,  
9.6970

■ 160.4270, -1.1990,  
38.2650

■ 226.4130, 0.2750,  
0.5230

■ 143.9360, -0.8340,  
48.1740

■ 243.2030, 0.5060,  
-9.1740

■ 127.1460, -1.0650,  
57.8710

■ 249.7150, 4.8160,  
-10.1920

■ 110.3560, -1.2960,  
67.5680

■ 251.8080, 8.9880,  
-8.7080

■ 94.1530, -1.8020,  
76.7420

■ 77.3630, -2.0330,  
86.4390

■ 61.4590, -1.9430,  
95.8250

# Harmonies

## Analogous

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



189.8020, -25.2650, 11.8470



193.4200, -0.4620, 19.3940



194.7940, 21.9120, 21.4000

# Triad

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



193.4200, -0.4620, 19.3940



190.3290, 35.4420, -3.5500



179.3960, -45.7540, -18.8260

# Complementary

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



193.4200, -0.4620, 19.3940



214.5800, 0.4620, -19.3940

# 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.



182.2380, -24.9380, -21.6260



193.4200, -0.4620, 19.3940



187.8060, 20.4970, -13.5430

# Square

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



193.4200, -0.4620, 19.3940



192.4150, 41.4920, 7.9560



185.0960, -1.0510, -19.5070



179.9470, -54.3750, -11.2630



# Rectangle

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



193.4200, -0.4620, 19.3940



194.0740, 32.6870, 18.8550



185.0960, -1.0510, -19.5070



180.2780, -39.6100, -20.0420

# Sweetspot

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



193.4200, -0.4620, 19.3940



244.1020, -0.0470, 6.3610



199.1580, -20.8160, 2.8000



121.2220, -0.5050, 3.6470



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.



193.4200, -0.4620, 19.3940



210.5220, -0.5090, 25.7550



199.8840, 12.9710, 23.7470



106.1620, -0.2760, 5.0040



48.2130, -2.0310, 75.3850



13.8870, -0.2790, 21.5850



# Inverse Universe

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



197.2620, 20.3540, 16.5940



215.5450, 27.0470, 21.9510



208.1160, -12.9710, -23.7470



107.2720, 5.2260, 4.4100



63.2110, 79.3990, 64.3830



17.9850, 22.6920, 18.2760



# Previews

## White Background



This preview shows how the YIQ color 193.4200, -0.4620, 19.3940 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

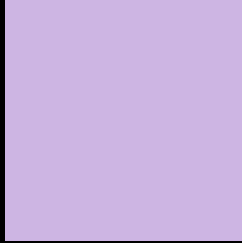
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 193.4200, -0.4620, 19.3940 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

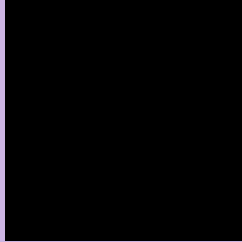
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 193.4200, -0.4620, 19.3940

## Background



This preview shows how black text looks on a background with the YIQ color 193.4200, -0.4620, 19.3940.



This preview shows how white text looks on a background with the YIQ color 193.4200, -0.4620,



# 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

193.4200, -0.4620, 19.3940

### Protanopia

190.6240, -18.8920, 11.9880

### Deuteranopia

192.0550, -9.8600, 13.5000



## Tritanopia

192.0810, 4.4460, 7.5340

# Trichromacy



## Original Color

193.4200, -0.4620, 19.3940

## Protanomaly

191.3260, -12.0610, 14.8430

## Deuteranomaly

192.3760, -6.3300, 15.6060

## Tritanomaly

192.3460, 2.3820, 11.9020

# Monochromacy



## Original Color

193.4200, -0.4620, 19.3940

## Achromatopsia

193.0000, -0.0000, -0.0000

## Achromatomaly

193.2160, -0.3680, 6.6720

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 193.4200, -0.4620, 19.3940 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(205, 181, 227)` looks like.

```
.text, #text, p{  
    color:rgb(205, 181, 227)  
}
```

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(205, 181, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 181, 227) }
```

## Border

The CSS property to change the border of an element to YIQ 193.4200, -0.4620, 19.3940 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(205, 181, 227) }
```



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

```
.border{ border-color:rgb(205, 181, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 181, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 181, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 181, 227);  
box-shadow:4px 4px 4px 4px rgb(205, 181,  
227) }
```

# Background

The CSS property to change the background color of an element to YIQ 193.4200, -0.4620, 19.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 181, 227) }
```

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

```
.background{ background-color: rgb(205,  
181, 227) }
```

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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