

# Converting Colors

YIQ(190.6170, -7.8460, 32.0740)

Have a look what the booklet for  
YIQ(190.6170, -7.8460, 32.0740)  
contains.

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# Color

**YIQ(190.6170, -7.8460,  
32.0740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBACFE
RGB	203, 172, 254
RGB Percent	80%, 67%, 100%
CMY	0.2038, 0.3255, 0.0040
CMYK	0.20, 0.32, 0.00, 0.00
HSL	263°, 98%, 84%
HSV	263°, 32%, 100%
XYZ	57.2729, 49.3554, 100.2536
YIQ	190.6170, -7.8460, 32.0740

# Conversions

## Conversions Part 2

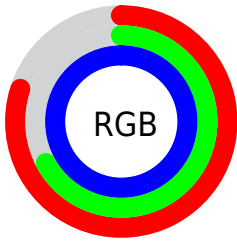
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 172, 254
Decimal	13348094
CIE Lab	75.67, 27.18, -36.52
CIE LCh	76, 45.521, 306.663
Yxy	49.3554, 0.2768, 0.2386
Android (android.graphics.Color)	4291538174 (0xFFCBACFE)
YUV	190.6170, 31.2478, 10.8599
Hunter-Lab	70.2534, 22.5757, -35.4312

# Details

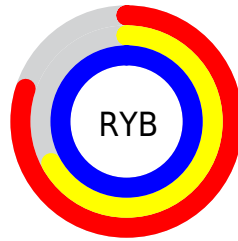
The YIQ color  $190.6170, -7.8460, 32.0740$  is a light color, and the websafe version is hex  $CC99FF$ . A complement of this color would be  $235.3830, 7.8460, -32.0740$ , and the grayscale version is  $190.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $239.1510, 7.4250, 14.1210$ , and  $136.5630, -7.7540, 30.4060$  is the 20% darker color. If you saturate the color by 10%, you get  $171.1580, -10.5070, 41.7570$ , and if you desaturate by 10%, it is  $210.0760, -5.1850, 22.3910$ .

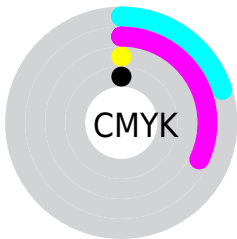
# Distribution



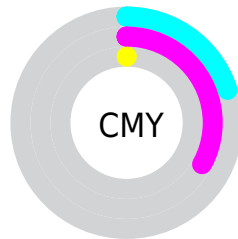
- Red (80%)
- Green (67%)
- Blue (100%)



- Red (80%)
- Yellow (67%)
- Blue (100%)



- Cyan (20%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (33%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 190.6170, -7.8460, 32.0740 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 190.6170, -7.8460, 32.0740 by changing the saturation by 10% instead.



■ 190.6170, -7.8460,  
32.0740

■ 190.6170, -7.8460,  
32.0740

■ 255.0000, -0.0000,  
-0.0000

■ 163.0900, -7.8000,  
31.2400

■ 239.1510, 7.4250,  
14.1210

■ 136.5630, -7.7540,  
30.4060

■ 110.6230, -7.9830,  
29.0490

■ 85.7970, -8.5330,  
28.0030

■ 62.1450, -9.6330,  
25.9110

■ 38.9060, -10.4580,  
24.3420

■ 15.4820, -12.2000,

22.8720

■ 5.1300, -14.4450,  
13.9950

■ 3.2090, -7.6580,  
6.6300

■ 190.6170, -7.8460,  
32.0740

■ 190.6170, -7.8460,  
32.0740

■ 171.1580,  
-10.5070, 41.7570

■ 210.0760, -5.1850,  
22.3910

■ 151.1120,  
-12.8930, 51.9630

■ 230.1220, -2.7990,  
12.1850

■ 131.9520,  
-14.9580, 61.8580

■ 249.2820, -0.7340,  
2.2900

■ 111.9060,  
-17.3440, 72.0640

■ 254.8860, 0.3210,  
-0.3110

■ 92.4470, -20.0050,  
81.7470

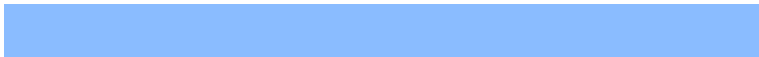
■ 72.9880, -22.6660,  
91.4300

■ 57.6600, -24.3180,  
99.3460

# Harmonies

## Analogous

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



180.6880, -51.3070, 10.2370



190.6170, -7.8460, 32.0740



191.7930, 32.8210, 38.4610

# Triad

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



190.6170, -7.8460, 32.0740



185.2640, 60.4300, -4.8660



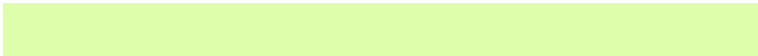
146.4080, -117.0900, -47.6020

# Complementary

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



190.6170, -7.8460, 32.0740



235.3830, 7.8460, -32.0740

# 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.



169.6450, -42.8620, -38.2060



190.6170, -7.8460, 32.0740



182.2790, 37.7380, -23.1420

# Square

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



190.6170, -7.8460, 32.0740



185.3100, 63.9570, 13.8210



177.6920, 2.4820, -33.9820



148.2990, -132.3600, -35.1760



# Rectangle

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



190.6170, -7.8460, 32.0740



188.0580, 47.9520, 34.0640



177.6920, 2.4820, -33.9820



159.6590, -81.0080, -40.7200

# Sweetspot

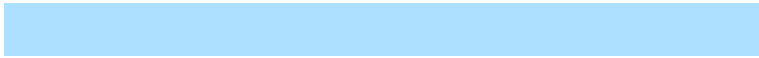
The Sweet Spot groups the original color and five complimentary colors.



190.6170, -7.8460, 32.0740



235.5410, -2.6610, 9.6830



211.8720, -40.6220, -1.6940



115.6180, -1.5600, 6.2480



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.



190.6170, -7.8460, 32.0740



178.3490, -9.7270, 38.6330



202.5770, 15.9940, 40.5540



117.9770, -1.1930, 5.1030



43.3020, -18.3990, 74.6650



14.4720, -6.2400, 24.9920



# Inverse Universe

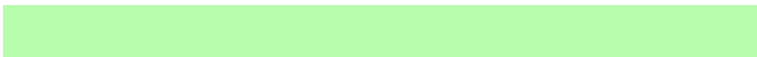
The Inverse Universe completely reimagines the original color for something new.



202.3320, 32.5010, 33.2450



192.5550, 39.4230, 39.9590



223.4230, -15.9940, -40.5540



119.7990, 5.1800, 5.2440



70.6750, 75.6370, 77.5010

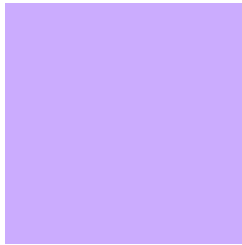


23.6960, 25.3040, 26.0080



# Previews

## White Background



This preview shows how the YIQ color 190.6170, -7.8460, 32.0740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

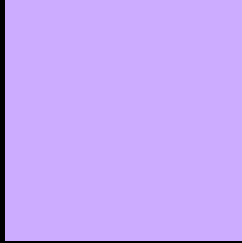
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 190.6170, -7.8460, 32.0740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

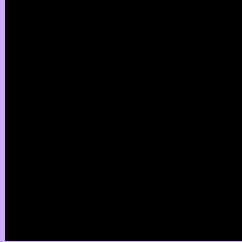
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 190.6170, -7.8460, 32.0740

## Background



This preview shows how black text looks on a background with the YIQ color 190.6170, -7.8460, 32.0740.



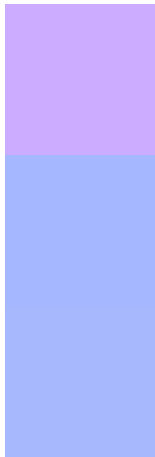
This preview shows how white text looks on a background with the YIQ color 190.6170, -7.8460,

32.0740.

# 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

190.6170, -7.8460, 32.0740

### Protanopia

186.4130, -34.1150, 18.0530

### Deuteranopia

186.9680, -31.3640, 17.7560



## Tritanopia

187.7000, 1.1450, 6.7850

# Trichromacy



## Original Color

190.6170, -7.8460, 32.0740

## Protanomaly

188.2510, -24.6710, 23.1130

## Deuteranomaly

188.6210, -22.8370, 22.9150

## Tritanomaly

188.8280, -1.7910, 15.9450

# Monochromacy



## Original Color

190.6170, -7.8460, 32.0740

## Achromatopsia

191.0000, -0.0000, -0.0000

## Achromatomaly

190.7090, -3.0740, 11.6620

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 190.6170, -7.8460, 32.0740 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(203, 172, 254)` looks like.

```
.text, #text, p{  
    color:rgb(203, 172, 254)  
}
```

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(203, 172, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 172, 254) }
```

## Border

The CSS property to change the border of an element to YIQ 190.6170, -7.8460, 32.0740 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(203, 172, 254) }
```



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

```
.border{ border-color:rgb(203, 172, 254) }
```

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

Here you see how a box with a 4 pixel rgb(203, 172, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 172, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 172, 254);  
box-shadow:4px 4px 4px 4px rgb(203, 172,  
254) }
```

# Background

The CSS property to change the background color of an element to YIQ 190.6170, -7.8460, 32.0740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 172, 254) }
```

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

```
.background{ background-color: rgb(203,  
172, 254) }
```

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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