

# Converting Colors

YIQ(196.3570, -4.1780, 31.6780)

Have a look what the booklet for  
YIQ(196.3570, -4.1780, 31.6780)  
contains.

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# Color

**YIQ(196.3570, -4.1780,  
31.6780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4B1FF
RGB	212, 177, 255
RGB Percent	83%, 69%, 100%
CMY	0.1685, 0.3059, 0.0001
CMYK	0.17, 0.31, 0.00, 0.00
HSL	267°, 100%, 85%
HSV	267°, 31%, 100%
XYZ	60.9272, 52.6593, 101.5442
YIQ	196.3570, -4.1780, 31.6780

# Conversions

## Conversions Part 2

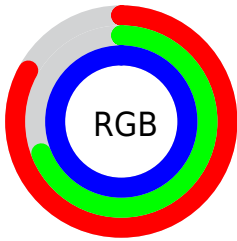
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 177, 255
Decimal	13939199
CIE Lab	77.67, 27.35, -33.90
CIE LCh	78, 43.555, 308.901
Yxy	52.6593, 0.2832, 0.2448
Android (android.graphics.Color)	4292129279 (0xFFD4B1FF)
YUV	196.3570, 28.9110, 13.7189
Hunter-Lab	72.5668, 22.8771, -32.1691

# Details

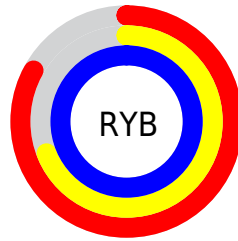
The YIQ color  $196.3570, -4.1780, 31.6780$  is a light color, and the websafe version is hex  $CC99FF$ . A complement of this color would be  $235.6430, 4.1780, -31.6780$ , and the grayscale version is  $196.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $242.0860, 6.0500, 11.5060$ , and  $142.0040, -4.6820, 29.7980$  is the 20% darker color. If you saturate the color by 10%, you get  $176.9090, -5.3720, 42.3080$ , and if you desaturate by 10%, it is  $215.2180, -2.7090, 21.5710$ .

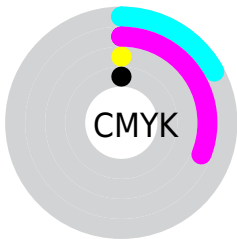
# Distribution



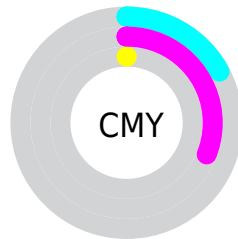
- Red (83%)
- Green (69%)
- Blue (100%)



- Red (83%)
- Yellow (69%)
- Blue (100%)



- Cyan (17%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (31%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 196.3570, -4.1780, 31.6780 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 196.3570, -4.1780, 31.6780 by changing the saturation by 10% instead.



 196.3570, -4.1780,  
31.6780

 196.3570, -4.1780,  
31.6780


255.0000, -0.0000,  
-0.0000


 168.8300, -4.1320,  
30.8440


 242.0860, 6.0500,  
11.5060

 142.0040, -4.6820,  
29.7980

 116.3630, -4.3150,  
28.6530

 91.5370, -4.8650,  
27.6070

 66.7110, -5.4150,  
26.5610

 43.4720, -6.2400,  
24.9920

 21.2330, -7.0650,

23.4230

■ 6.1410, -12.9780,  
14.9420

■ 3.3230, -7.9790,  
6.9410

■ 196.3570, -4.1780,  
31.6780

■ 196.3570, -4.1780,  
31.6780

■ 176.9090, -5.3720,  
42.3080

■ 215.2180, -2.7090,  
21.5710

■ 158.0480, -6.8410,  
52.4150

■ 234.6660, -1.5150,  
10.9410

■ 138.6000, -8.0350,  
63.0450

■ 253.5270, -0.0460,  
0.8340

■ 119.7390, -9.5040,  
73.1520

■ 255.0000, -0.0000,  
-0.0000

■ 100.2910,  
-10.6980, 83.7820

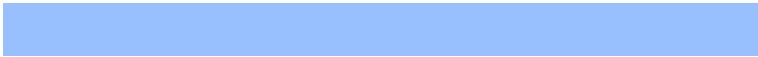
■ 81.4300, -12.1670,  
93.8890

■ 63.4550, -13.3150,  
103.6850

# Harmonies

## Analogous

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



187.2220, -44.0630, 11.1130



196.3570, -4.1780, 31.6780



196.9240, 33.8300, 36.6940

# Triad

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



196.3570, -4.1780, 31.6780



191.3560, 57.1750, -6.4490



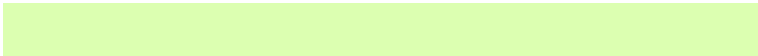
161.0300, -98.1100, -39.1500

# Complementary

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



196.3570, -4.1780, 31.6780



235.6430, 4.1780, -31.6780

# 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.



175.5140, -43.8710, -36.4390



196.3570, -4.1780, 31.6780



187.5390, 34.0700, -22.7460

# Square

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



196.3570, -4.1780, 31.6780



189.9890, 60.4270, 11.7150



182.7780, -0.6360, -32.5400



151.3310, -135.3860, -35.4020



# Rectangle

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



196.3570, -4.1780, 31.6780



192.3950, 45.3850, 31.0250



182.7780, -0.6360, -32.5400



167.5070, -77.5240, -37.7800

# Sweetspot

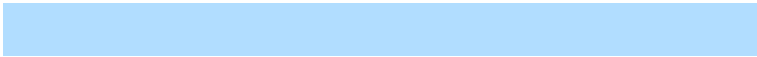
The Sweet Spot groups the original color and five complimentary colors.



196.3570, -4.1780, 31.6780



237.6120, -1.4230, 9.2730



211.7200, -37.1380, 1.2460



116.8030, -0.6430, 6.1490



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.



196.3570, -4.1780, 31.6780



184.2740, -5.1420, 38.1380



207.7190, 18.4700, 39.7340



117.9770, -1.1930, 5.1030



47.4880, -10.0550, 77.6330



15.9670, -3.2600, 26.0520



# Inverse Universe

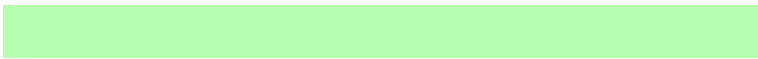
The Inverse Universe completely reimagines the original color for something new.



205.2240, 32.6850, 29.9090



195.0340, 39.3320, 36.1000



224.2810, -18.4700, -39.7340



119.6850, 5.5010, 4.9330



69.0790, 80.1310, 73.1470

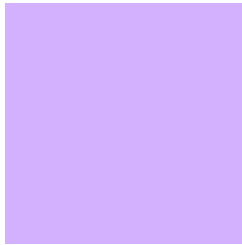


23.1260, 26.9090, 24.4530



# Previews

## White Background



This preview shows how the YIQ color 196.3570, -4.1780, 31.6780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

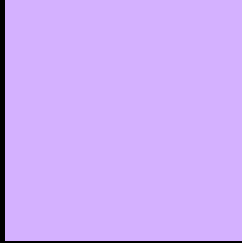
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 196.3570, -4.1780, 31.6780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

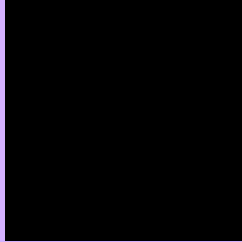
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 196.3570, -4.1780, 31.6780

## Background



This preview shows how black text looks on a background with the YIQ color 196.3570, -4.1780, 31.6780.



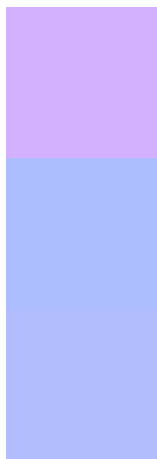
This preview shows how white text looks on a background with the YIQ color 196.3570, -4.1780,

31.6780.

# 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

196.3570, -4.1780, 31.6780

### Protanopia

192.3270, -30.9970, 16.6110

### Deuteranopia

193.0070, -27.1000, 17.5720



## Tritanopia

193.4940, 4.7210, 8.0570

# Trichromacy



## Original Color

196.3570, -4.1780, 31.6780

## Protanomaly

193.5780, -21.2780, 22.1940

## Deuteranomaly

194.3610, -19.1690, 22.5190

## Tritanomaly

194.2090, 1.5100, 16.6940

# Monochromacy



## Original Color

196.3570, -4.1780, 31.6780

## Achromatopsia

196.0000, -0.0000, -0.0000

## Achromatomaly

196.0790, -1.2400, 11.4640

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 196.3570, -4.1780, 31.6780 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(212, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 177, 255)  
}
```

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(212, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 177, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 196.3570, -4.1780, 31.6780 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(212, 177, 255) }
```



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

```
.border{ border-color:rgb(212, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 177,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 196.3570, -4.1780, 31.6780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 177, 255) }
```

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

```
.background{ background-color: rgb(212,  
177, 255) }
```

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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