

# Converting Colors

YIQ(199.0260, -1.7480, 31.6920)

Have a look what the booklet for  
YIQ(199.0260, -1.7480, 31.6920)  
contains.

<b>YIQ(199.0260, -1.7480, 31.6920)</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(199.0260, -1.7480,  
31.6920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9B3FF
RGB	217, 179, 255
RGB Percent	85%, 70%, 100%
CMY	0.1489, 0.2981, 0.0001
CMYK	0.15, 0.30, 0.00, 0.00
HSL	270°, 100%, 85%
HSV	270°, 30%, 100%
XYZ	62.7899, 54.2099, 101.7477
YIQ	199.0260, -1.7480, 31.6920

# Conversions

## Conversions Part 2

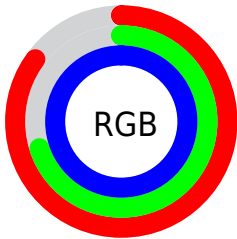
Format	Color
R <sub>Y</sub> B	217, 179, 255
Decimal	14267391
CIE Lab	78.58, 27.78, -32.46
CIE LCh	79, 42.719, 310.557
Yxy	54.2099, 0.2870, 0.2478
Android (android.graphics.Color)	4292457471 (0xFFD9B3FF)
YUV	199.0260, 27.5952, 15.7632
Hunter-Lab	73.6274, 23.3782, -30.3954

# Details

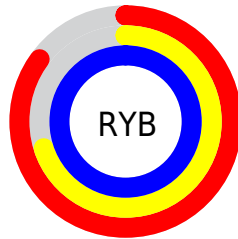
The YIQ color  $199.0260, -1.7480, 31.6920$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $234.9740, 1.7480, -31.6920$ , and the grayscale version is  $199.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $243.2600, 5.5000, 10.4600$ , and  $144.6730, -2.2520, 29.8120$  is the 20% darker color. If you saturate the color by 10%, you get  $179.8770, -2.3460, 42.5340$ , and if you desaturate by 10%, it is  $217.5880, -0.8750, 21.3730$ .

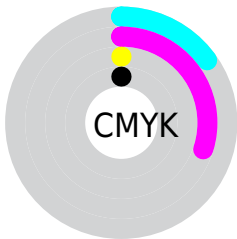
# Distribution



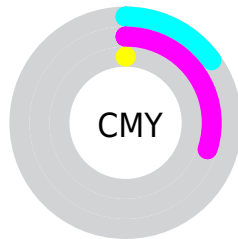
- Red (85%)
- Green (70%)
- Blue (100%)



- Red (85%)
- Yellow (70%)
- Blue (100%)



- Cyan (15%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (30%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 199.0260, -1.7480, 31.6920 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 199.0260, -1.7480, 31.6920 by changing the saturation by 10% instead.





 199.0260, -1.7480,  
31.6920

 199.0260, -1.7480,  
31.6920


255.0000, -0.0000,  
-0.0000


 171.4990, -1.7020,  
30.8580


 243.2600, 5.5000,  
10.4600

 144.6730, -2.2520,  
29.8120

 118.8470, -2.8020,  
28.7660

 93.3200, -2.7560,  
27.9320

 69.3800, -2.9850,  
26.5750

 46.1410, -3.8100,  
25.0060

 23.3150, -4.3600,

23.9600

■ 9.1310, -7.0180,  
17.0620

■ 3.4370, -8.3000,  
7.2520

■ 199.0260, -1.7480,  
31.6920

■ 199.0260, -1.7480,  
31.6920

■ 179.8770, -2.3460,  
42.5340

■ 217.5880, -0.8750,  
21.3730

■ 161.6140, -2.6230,  
53.0650

■ 236.7370, -0.2770,  
10.5310

■ 142.4650, -3.2210,  
63.9070

■ 255.0000, -0.0000,  
-0.0000

■ 123.9030, -4.0940,  
74.2260

■ 104.7540, -4.6920,  
85.0680

■ 86.4910, -4.9690,  
95.5990

■ 67.3420, -5.5670,  
106.4410

# Harmonies

## Analogous

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



190.7880, -39.8450, 11.7630



199.0260, -1.7480, 31.6920



199.5820, 34.7930, 35.7610

# Triad

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



199.0260, -1.7480, 31.6920



193.4590, 55.3870, -7.0850



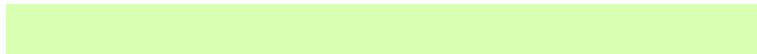
165.7530, -95.7720, -37.4680

# Complementary

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



199.0260, -1.7480, 31.6920



234.9740, 1.7480, -31.6920

# 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.



178.4430, -45.1090, -36.0290



199.0260, -1.7480, 31.6920



190.6420, 32.2820, -23.3820

# Square

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



199.0260, -1.7480, 31.6920



192.5650, 58.6850, 10.2450



185.4080, -2.4700, -32.3420



152.9610, -137.2200, -35.2040



# Rectangle

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



199.0260, -1.7480, 31.6920



194.1560, 44.5600, 29.4560



185.4080, -2.4700, -32.3420



171.0340, -77.5700, -36.9460

# Sweetspot

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



199.0260, -1.7480, 31.6920



238.2100, -0.2310, 9.6970



209.9700, -34.8460, 3.7620



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.



199.0260, -1.7480, 31.6920



187.2420, -2.1160, 38.3640



210.3880, 20.9000, 39.7480



118.2760, -0.5970, 5.3150



50.4780, -4.0950, 79.7530



16.8640, -1.4720, 26.6880



# Inverse Universe

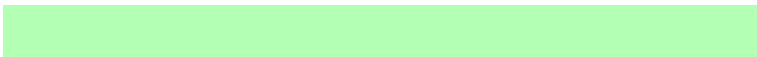
The Inverse Universe completely reimagines the original color for something new.



206.0560, 33.0980, 27.9300



195.7520, 40.0660, 33.8100



223.6120, -20.9000, -39.7480



119.5710, 5.8220, 4.6220



67.9390, 83.3410, 70.0370

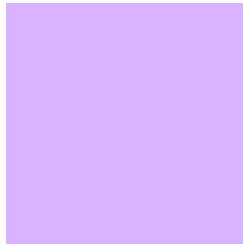


22.7840, 27.8720, 23.5200



# Previews

## White Background



This preview shows how the YIQ color 199.0260, -1.7480, 31.6920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

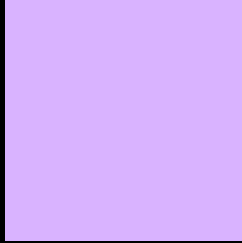
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 199.0260, -1.7480, 31.6920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

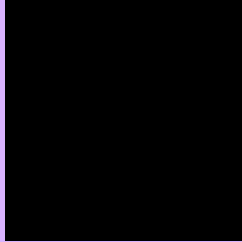
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 199.0260, -1.7480, 31.6920

## Background



This preview shows how black text looks on a background with the YIQ color 199.0260, -1.7480, 31.6920.



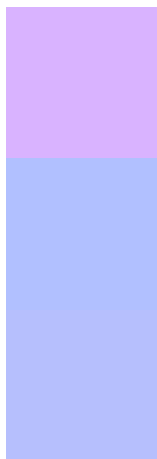
This preview shows how white text looks on a background with the YIQ color 199.0260, -1.7480,

31.6920.

# 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

199.0260, -1.7480, 31.6920

### Protanopia

194.6970, -29.1630, 16.4130

### Deuteranopia

195.3770, -25.2660, 17.3740



## Tritanopia

196.6900, 7.1050, 8.9050

# Trichromacy



## Original Color

199.0260, -1.7480, 31.6920

## Protanomaly

196.2470, -18.8480, 22.2080

## Deuteranomaly

197.0300, -16.7390, 22.5330

## Tritanomaly

197.4050, 3.8940, 17.5420

# Monochromacy



## Original Color

199.0260, -1.7480, 31.6920

## Achromatopsia

199.0000, -0.0000, 0.0000

## Achromatomaly

199.2640, -0.3230, 11.3650

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 199.0260, -1.7480, 31.6920 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(217, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 179, 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(217, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 179, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 199.0260, -1.7480, 31.6920 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(217, 179, 255) }
```



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

```
.border{ border-color:rgb(217, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 179,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 199.0260, -1.7480, 31.6920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 179, 255) }
```

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

```
.background{ background-color: rgb(217,  
179, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor