

# Converting Colors

YIQ(199.8380, 1.4170, 23.8890)

Have a look what the booklet for  
YIQ(199.8380, 1.4170, 23.8890)  
contains.

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# Color

**YIQ(199.8380, 1.4170,  
23.8890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8B8EF
RGB	216, 184, 239
RGB Percent	85%, 72%, 94%
CMY	0.1528, 0.2785, 0.0628
CMYK	0.10, 0.23, 0.00, 0.06
HSL	275°, 63%, 83%
HSV	275°, 23%, 94%
XYZ	61.0435, 55.1101, 89.0740
YIQ	199.8380, 1.4170, 23.8890

# Conversions

## Conversions Part 2

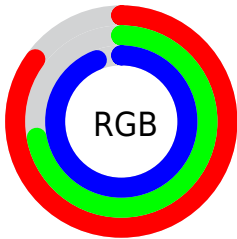
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 184, 239
Decimal	14203119
CIE Lab	79.10, 21.46, -23.08
CIE LCh	79, 31.511, 312.915
Yxy	55.1101, 0.2974, 0.2685
Android (android.graphics.Color)	4292393199 (0xFFD8B8EF)
YUV	199.8380, 19.3069, 14.1741
Hunter-Lab	74.2362, 16.8651, -19.1752

# Details

The YIQ color  $199.8380, 1.4170, 23.8890$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $223.1620, -1.4170, -23.8890$ , and the grayscale version is  $200.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $246.1950, 4.1250, 7.8450$ , and  $145.8980, 1.1880, 22.5320$  is the 20% darker color. If you saturate the color by 10%, you get  $182.7600, 2.0570, 34.3210$ , and if you desaturate by 10%, it is  $216.9160, 0.7770, 13.4570$ .

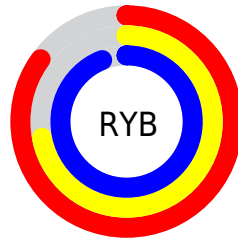
# Distribution



Red (85%)

Green (72%)

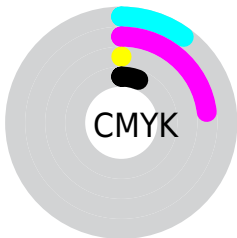
Blue (94%)



Red (85%)

Yellow (72%)

Blue (94%)

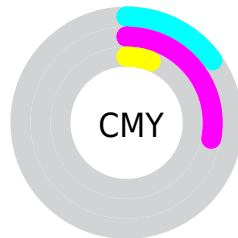


Cyan (10%)

Magenta (23%)

Yellow (0%)

Black (6%)



Cyan (15%)

Magenta (28%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 199.8380, 1.4170, 23.8890 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 199.8380, 1.4170, 23.8890 by changing the saturation by 10% instead.




 199.8380, 1.4170,  
23.8890

 199.8380, 1.4170,  
23.8890


255.0000, -0.0000,  
-0.0000


 172.4250, 1.1420,  
23.3660


 246.1950, 4.1250,  
7.8450

 145.8980, 1.1880,  
22.5320

 119.4850, 0.9130,  
22.0090

 94.9580, 0.9590,  
21.1750

 71.0180, 0.7300,  
19.8180

 48.1920, 0.1800,  
18.7720

 26.3660, -0.3700,

17.7260

■ 9.4860, -0.8280,  
15.0120

■ 1.1400, -3.2100,  
3.1100

■ 199.8380, 1.4170,  
23.8890

■ 199.8380, 1.4170,  
23.8890

■ 182.7600, 2.0570,  
34.3210

■ 216.9160, 0.7770,  
13.4570

■ 165.6820, 2.6970,  
44.7530

■ 233.9940, 0.1370,  
3.0250

■ 148.6040, 3.3370,  
55.1850

■ 250.4850, -0.2280,  
-6.8840

■ 131.5260, 3.9770,  
65.6170

■ 253.1760, 5.1360,  
-4.9760

■ 114.4480, 4.6170,  
76.0490

■ 97.9570, 4.9820,  
85.9580

■ 80.8790, 5.6220,  
96.3900

■ 68.8070, 6.1250,  
103.7970

# Harmonies

## Analogous

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



195.6430, -29.0710, 14.7450



199.8380, 1.4170, 23.8890



200.3650, 27.7340, 26.0220

# Triad

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



199.8380, 1.4170, 23.8890



195.6840, 41.6320, -5.6000



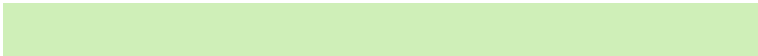
181.0460, -59.5080, -22.8680

# Complementary

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



199.8380, 1.4170, 23.8890



223.1620, -1.4170, -23.8890

# 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.



185.1120, -33.5110, -25.9510



199.8380, 1.4170, 23.8890



192.9540, 22.8360, -17.3880

# Square

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



199.8380, 1.4170, 23.8890



197.7210, 49.3780, 8.2100



189.3790, -3.5260, -24.2140



182.0530, -69.4130, -14.0610



# Rectangle

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



199.8380, 1.4170, 23.8890



199.9010, 40.6640, 22.9680



189.3790, -3.5260, -24.2140



182.2980, -51.5300, -24.2820

# Sweetspot

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



199.8380, 1.4170, 23.8890



242.3410, 0.7780, 7.9300



204.3580, -24.2550, 4.5530



120.0480, 0.0450, 4.6930



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.



199.8380, 1.4170, 23.8890



204.3530, 1.6450, 30.7730



206.2590, 16.4090, 27.5210



111.4610, 0.3200, 5.2160



52.9690, 4.7080, 79.9080



16.2510, 1.6920, 24.4120



# Inverse Universe

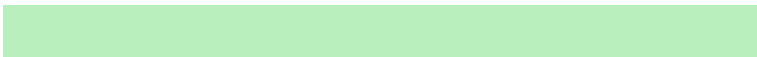
The Inverse Universe completely reimagines the original color for something new.



203.0670, 25.3970, 18.8130



208.5350, 33.0070, 24.0710



216.7410, -16.4090, -27.5210



112.1580, 5.5470, 4.0990



63.7940, 84.9470, 62.9550

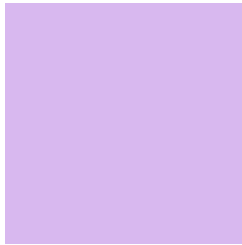


19.3660, 25.9930, 19.0250



# Previews

## White Background



This preview shows how the YIQ color 199.8380, 1.4170, 23.8890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

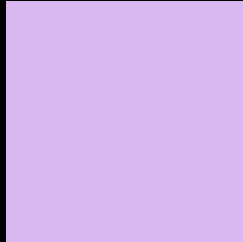
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 199.8380, 1.4170, 23.8890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

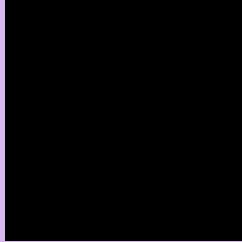
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 199.8380, 1.4170, 23.8890

## Background



This preview shows how black text looks on a background with the YIQ color 199.8380, 1.4170, 23.8890.



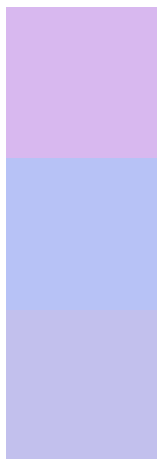
This preview shows how white text looks on a background with the YIQ color 199.8380, 1.4170,



# 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

199.8380, 1.4170, 23.8890

### Protanopia

196.6390, -23.2480, 13.8400

### Deuteranopia

197.7280, -13.2530, 14.4190



## Tritanopia

197.9890, 7.7010, 9.1170

# Trichromacy



## Original Color

199.8380, 1.4170, 23.8890

## Protanomaly

197.5370, -14.0330, 17.5430

## Deuteranomaly

198.4730, -7.9810, 17.9950

## Tritanomaly

198.7810, 5.5910, 14.3190

# Monochromacy



## Original Color

199.8380, 1.4170, 23.8890

## Achromatopsia

200.0000, -0.0000, -0.0000

## Achromatomaly

199.8680, 0.7320, 8.7640

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 199.8380, 1.4170, 23.8890 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(216, 184, 239)` looks like.

```
.text, #text, p{  
    color:rgb(216, 184, 239)  
}
```

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(216, 184, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 184, 239) }
```

## Border

The CSS property to change the border of an element to YIQ 199.8380, 1.4170, 23.8890 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(216, 184, 239) }
```



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

```
.border{ border-color:rgb(216, 184, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 184, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 184, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 184, 239);  
box-shadow:4px 4px 4px 4px rgb(216, 184,  
239) }
```

# Background

The CSS property to change the background color of an element to YIQ 199.8380, 1.4170, 23.8890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 184, 239) }
```

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

```
.background{ background-color: rgb(216,  
184, 239) }
```

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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