

# Converting Colors

YIQ(178.8370, -23.2050,  
29.5870)

Have a look what the booklet for  
YIQ(178.8370, -23.2050, 29.5870)  
contains.

<b>YIQ(178.8370, -23.2050, 29.5870)</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(178.8370, -23.2050,  
29.5870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFA6FF
RGB	175, 166, 255
RGB Percent	69%, 65%, 100%
CMY	0.3136, 0.3490, 0.0002
CMYK	0.31, 0.35, 0.00, 0.00
HSL	246°, 100%, 83%
HSV	246°, 35%, 100%
XYZ	49.3626, 43.6047, 100.3880
YIQ	178.8370, -23.2050, 29.5870

# Conversions

## Conversions Part 2

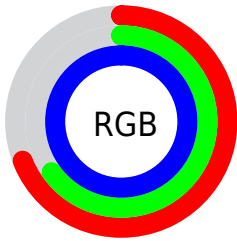
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	175, 166, 255
Decimal	11511551
CIE <sub>Lab</sub>	71.96, 22.75, -43.00
CIE <sub>LCh</sub>	72, 48.645, 297.886
Yxy	43.6047, 0.2553, 0.2255
Android (android.graphics.Color)	4289701631 (0xFFAFA6FF)
YUV	178.8370, 37.5484, -3.3650
Hunter-Lab	66.0339, 17.8755, -43.9119

# Details

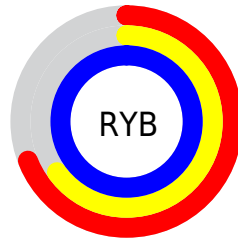
The YIQ color  $178.8370, -23.2050, 29.5870$  is a light color, and the websafe version is hex  $9999FF$ . A complement of this color would be  $242.1630, 23.2050, -29.5870$ , and the grayscale version is  $178.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $228.1650, -4.3580, 12.9060$ , and  $125.3700, -23.3880, 27.3960$  is the 20% darker color. If you saturate the color by 10%, you get  $157.2850, -30.0380, 37.7860$ , and if you desaturate by 10%, it is  $200.3890, -16.3720, 21.3880$ .

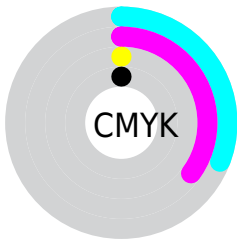
# Distribution



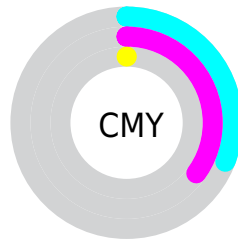
- Red (69%)
- Green (65%)
- Blue (100%)



- Red (69%)
- Yellow (65%)
- Blue (100%)



- Cyan (31%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (35%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 178.8370, -23.2050, 29.5870 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 178.8370, -23.2050, 29.5870 by changing the saturation by 10% instead.



■ 178.8370,  
-23.2050, 29.5870

■ 178.8370,  
-23.2050, 29.5870

■ 255.0000, -0.0000,  
-0.0000

■ 151.8970,  
-23.4340, 28.2300

■ 228.1650, -4.3580,  
12.9060

■ 125.3700,  
-23.3880, 27.3960

■ 252.0650, 1.3750,  
2.6150

■ 100.0170,  
-23.8920, 25.5160

■ 74.7780, -24.7170,  
23.9470

■ 50.5280, -27.0090,  
21.4310

■ 24.5760, -36.1320,  
16.0600

■ 7.7520, -21.8280,

21.1480

■ 6.8910, -15.2700,  
12.4260

■ 3.2090, -7.6580,  
6.6300

■ 178.8370,  
-23.2050, 29.5870

■ 178.8370,  
-23.2050, 29.5870

■ 157.2850,  
-30.0380, 37.7860

■ 200.3890,  
-16.3720, 21.3880

■ 135.1460,  
-36.5960, 46.5080

■ 222.5280, -9.8140,  
12.6660

■ 113.5940,  
-43.4290, 54.7070

■ 244.0800, -2.9810,  
4.4670

■ 91.4550, -49.9870,  
63.4290

■ 255.0000, -0.0000,  
-0.0000

■ 69.9030, -56.8200,  
71.6280

■ 48.0630, -62.7820,  
80.5620

■ 36.8440, -66.3590,  
84.8170

# Harmonies

## Analogous

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



163.7110, -76.4770, 3.8350



178.8370, -23.2050, 29.5870



181.4700, 23.6050, 40.2850

# Triad

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



178.8370, -23.2050, 29.5870



175.5470, 67.1230, 0.4910



136.4210, -109.9370, -50.5850

# Complementary

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



178.8370, -23.2050, 29.5870



242.1630, 23.2050, -29.5870

# 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.



160.9360, -30.6200, -39.8040



178.8370, -23.2050, 29.5870



172.8350, 47.9160, -20.3720

# Square

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



178.8370, -23.2050, 29.5870



175.8040, 68.6780, 21.8780



168.1510, 14.3110, -33.6010



141.5510, -124.3820, -36.5900



# Rectangle

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



178.8370, -23.2050, 29.5870



180.4480, 47.0340, 39.6900



168.1510, 14.3110, -33.6010



149.8570, -72.9380, -43.8020

# Sweetspot

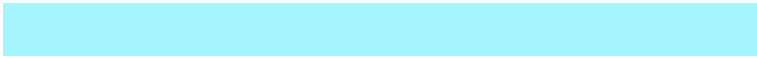
The Sweet Spot groups the original color and five complimentary colors.



178.8370, -23.2050, 29.5870



233.4480, -6.8330, 8.1990



223.1060, -50.5690, -14.1610



114.4220, -3.9440, 5.4000



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.



178.8370, -23.2050, 29.5870



163.4870, -27.7910, 35.6090



191.9930, 3.0190, 38.9150



116.7810, -3.5770, 4.2550



27.4550, -49.9870, 63.4290



9.0900, -16.9680, 21.1760



# Inverse Universe

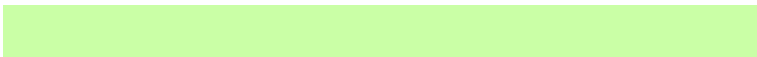
The Inverse Universe completely reimagines the original color for something new.



201.7310, 27.3640, 43.7480



190.9370, 32.9560, 52.5400



229.0070, -3.0190, -38.9150



120.1410, 4.2170, 6.1770



76.7170, 58.6240, 93.9840

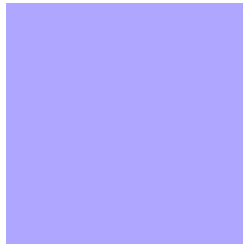


25.6340, 19.8470, 31.2950



# Previews

## White Background



This preview shows how the YIQ color 178.8370, -23.2050, 29.5870 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

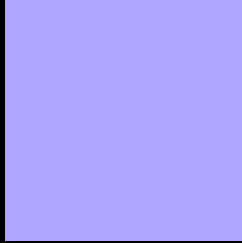
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 178.8370, -23.2050, 29.5870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

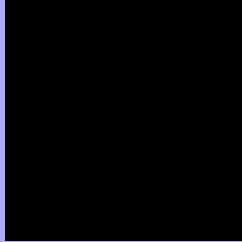
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 178.8370, -23.2050, 29.5870

## Background



This preview shows how black text looks on a background with the YIQ color 178.8370, -23.2050, 29.5870.



This preview shows how white text looks on a background with the YIQ color 178.8370, -23.2050,



# 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

178.8370, -23.2050, 29.5870

### Protanopia

176.0580, -40.3050, 20.1030

### Deuteranopia

175.2210, -42.3220, 18.1100



## Tritanopia

175.5130, -14.6260, 0.7500

# Trichromacy



## Original Color

178.8370, -23.2050, 29.5870

## Protanomaly

176.9880, -34.1160, 23.5800

## Deuteranomaly

176.8630, -35.2620, 22.3220

## Tritanomaly

176.6950, -17.6540, 11.5780

# Monochromacy



## Original Color

178.8370, -23.2050, 29.5870

## Achromatopsia

179.0000, -0.0000, -0.0000

## Achromatomaly

178.9580, -8.2090, 11.1110

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 178.8370, -23.2050, 29.5870 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(175, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 166, 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(175, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 166, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 178.8370, -23.2050, 29.5870 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(175, 166, 255) }
```



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

```
.border{ border-color:rgb(175, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 166,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 178.8370, -23.2050, 29.5870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 166, 255) }
```

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

```
.background{ background-color: rgb(175,  
166, 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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