

# Converting Colors

YIQ(172.3880, -14.6310,  
28.3850)

Have a look what the booklet for  
YIQ(172.3880, -14.6310, 28.3850)  
contains.

<b>YIQ(172.3880, -14.6310, 28.3850)</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(172.3880, -14.6310,  
28.3850)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B09EED
RGB	176, 158, 237
RGB Percent	69%, 62%, 93%
CMY	0.3097, 0.3804, 0.0707
CMYK	0.26, 0.33, 0.00, 0.07
HSL	254°, 69%, 77%
HSV	254°, 33%, 93%
XYZ	45.4170, 39.7967, 85.3853
YIQ	172.3880, -14.6310, 28.3850

# Conversions

## Conversions Part 2

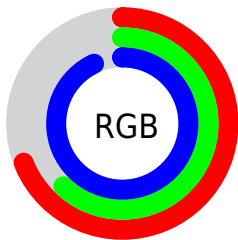
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 158, 237
Decimal	11575021
CIE <sub>Lab</sub>	69.32, 23.12, -37.32
CIE <sub>LCh</sub>	69, 43.902, 301.778
Yxy	39.7967, 0.2662, 0.2333
Android (android.graphics.Color)	4289765101 (0xFFB09EED)
YUV	172.3880, 31.8537, 3.1677
Hunter-Lab	63.0846, 18.1109, -36.0900

# Details

The YIQ color  $172.3880, -14.6310, 28.3850$  is a light color, and the websafe version is hex  $9999FF$ . A complement of this color would be  $222.6120, 14.6310, -28.3850$ , and the grayscale version is  $172.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $223.7680, -1.5620, 17.3020$ , and  $119.9210, -14.8140, 26.1940$  is the 20% darker color. If you saturate the color by 10%, you get  $152.9180, -18.7590, 37.1210$ , and if you desaturate by 10%, it is  $191.8580, -10.5030, 19.6490$ .

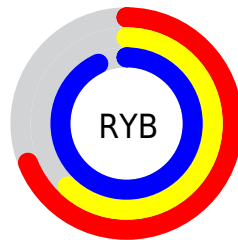
# Distribution



Red (69%)

Green (62%)

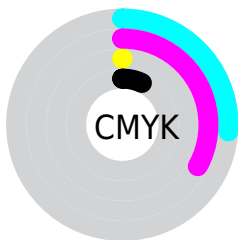
Blue (93%)



Red (69%)

Yellow (62%)

Blue (93%)

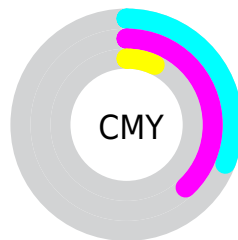


Cyan (26%)

Magenta (33%)

Yellow (0%)

Black (7%)



Cyan (31%)

Magenta (38%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 172.3880, -14.6310, 28.3850 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 172.3880, -14.6310, 28.3850 by changing the saturation by 10% instead.



■ 172.3880,  
-14.6310, 28.3850

■ 172.3880,  
-14.6310, 28.3850

■ 255.0000, -0.0000,  
-0.0000

■ 145.8610,  
-14.5850, 27.5510

■ 223.7680, -1.5620,  
17.3020

■ 119.9210,  
-14.8140, 26.1940

■ 246.7820, 3.8500,  
7.3220

■ 94.0950, -15.3640,  
25.1480

■ 70.0410, -15.2720,  
23.4800

■ 46.5030, -16.6930,  
21.6990

■ 23.6550, -20.1770,  
18.7590

■ 6.1560, -17.3340,

16.7940

■ 4.8220, -10.8220,  
8.9060

■ 0.4560, -1.2840,  
1.2440

■ 172.3880,  
-14.6310, 28.3850

■ 172.3880,  
-14.6310, 28.3850

■ 152.9180,  
-18.7590, 37.1210

■ 191.8580,  
-10.5030, 19.6490

■ 133.7360,  
-23.7580, 45.1220

■ 211.0400, -5.5040,  
11.6480

■ 114.2660,  
-27.8860, 53.8580

■ 230.5100, -1.3760,  
2.9120

■ 94.7960, -32.0140,  
62.5940

■ 249.9800, 2.7520,  
-5.8240

■ 75.9130, -36.4170,  
70.8070

■ 252.9480, 5.7780,  
-5.5980

■ 56.1440, -41.1410,  
79.3310

■ 43.1640, -43.8930,  
85.1550

# Harmonies

## Analogous

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



162.7130, -61.6230, 9.9690



172.3880, -14.6310, 28.3850



174.3190, 25.3480, 36.2280

# Triad

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



172.3880, -14.6310, 28.3850



168.7740, 59.0540, -1.9540



134.1990, -100.2640, -44.1680

# Complementary

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



172.3880, -14.6310, 28.3850



222.6120, 14.6310, -28.3850

# 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.



154.7880, -32.9590, -35.9590



172.3880, -14.6310, 28.3850



166.0560, 39.9840, -19.7920

# Square

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



172.3880, -14.6310, 28.3850



170.1300, 64.6440, 17.8920



161.6220, 8.6710, -30.5050



134.8830, -119.3850, -33.5370



# Rectangle

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



172.3880, -14.6310, 28.3850



172.9160, 45.4760, 34.8840



161.6220, 8.6710, -30.5050



145.5850, -68.9960, -38.1480

# Sweetspot

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



172.3880, -14.6310, 28.3850



234.3450, -5.0450, 8.8350



203.4000, -42.4090, -7.8570



115.0200, -2.7520, 5.8240



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.



172.3880, -14.6310, 28.3850



171.5050, -19.0340, 36.5980



184.0490, 8.6130, 36.6530



107.8520, -2.3390, 3.8450



32.8930, -33.6650, 64.9830



9.7440, -10.1820, 19.3380



# Inverse Universe

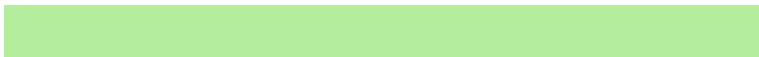
The Inverse Universe completely reimagines the original color for something new.



188.5750, 27.5030, 35.7190



192.5040, 35.4330, 46.1930



210.9510, -8.6130, -36.6530



110.3150, 3.6670, 5.1310



70.0790, 62.9360, 81.9120

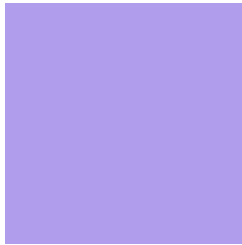


20.8200, 19.0230, 24.1990



# Previews

## White Background



This preview shows how the YIQ color 172.3880, -14.6310, 28.3850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

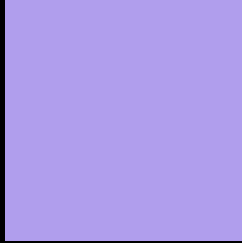
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 172.3880, -14.6310, 28.3850 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

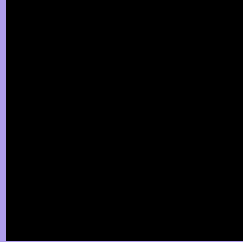
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 172.3880, -14.6310, 28.3850

## Background



This preview shows how black text looks on a background with the YIQ color 172.3880, -14.6310, 28.3850.



This preview shows how white text looks on a background with the YIQ color 172.3880, -14.6310, 28.3850.



# 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

172.3880, -14.6310, 28.3850

### Protanopia

168.9010, -38.4250, 19.0710

### Deuteranopia

168.7720, -33.7480, 16.9080



## Tritanopia

169.5850, -5.9610, 3.4070

# Trichromacy



## Original Color

172.3880, -14.6310, 28.3850

## Protanomaly

170.3860, -29.4850, 22.2510

## Deuteranomaly

170.4140, -26.6880, 21.1200

## Tritanomaly

170.7130, -8.8970, 12.5670

# Monochromacy



## Original Color

172.3880, -14.6310, 28.3850

## Achromatopsia

172.0000, -0.0000, -0.0000

## Achromatomaly

172.1000, -5.7330, 10.2910

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 172.3880, -14.6310, 28.3850 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(176, 158, 237)` looks like.

```
.text, #text, p{  
    color:rgb(176, 158, 237)  
}
```

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(176, 158, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 158, 237) }
```

## Border

The CSS property to change the border of an element to YIQ 172.3880, -14.6310, 28.3850 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(176, 158, 237) }
```



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

```
.border{ border-color:rgb(176, 158, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 158, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 158, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 158, 237);  
box-shadow:4px 4px 4px 4px rgb(176, 158,  
237) }
```

# Background

The CSS property to change the background color of an element to YIQ 172.3880, -14.6310, 28.3850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 158, 237) }
```

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

```
.background{ background-color: rgb(176,  
158, 237) }
```

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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