

# Converting Colors

YIQ(172.2390, -16.3700,  
10.3340)

Have a look what the booklet for  
YIQ(172.2390, -16.3700, 10.3340)  
contains.

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# Color

**YIQ(172.2390, -16.3700,  
10.3340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3AAD0
RGB	163, 170, 208
RGB Percent	64%, 67%, 82%
CMY	0.3608, 0.3333, 0.1844
CMYK	0.22, 0.18, 0.00, 0.18
HSL	231°, 32%, 73%
HSV	231°, 22%, 82%
XYZ	40.8621, 41.0902, 65.4365
YIQ	172.2390, -16.3700, 10.3340

# Conversions

## Conversions Part 2

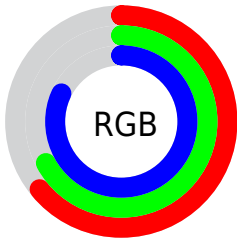
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 169, 208
Decimal	10726096
CIELab	70.24, 5.65, -20.09
CIELCh	70, 20.869, 285.700
Yxy	41.0902, 0.2772, 0.2788
Android (android.graphics.Color)	4288916176 (0xFFA3AAD0)
YUV	172.2390, 17.6302, -8.1026
Hunter-Lab	64.1016, 1.6085, -15.6535

# Details

The YIQ color  $172.2390, -16.3700, 10.3340$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $198.7610, 16.3700, -10.3340$ , and the grayscale version is  $172.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $226.3270, -13.8020, 7.8460$ , and  $120.0110, -15.7280, 9.7120$  is the 20% darker color. If you saturate the color by 10%, you get  $155.3940, -23.9360, 15.2960$ , and if you desaturate by 10%, it is  $189.0840, -8.8040, 5.3720$ .

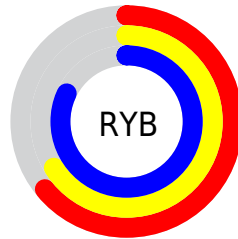
# Distribution



Red (64%)

Green (67%)

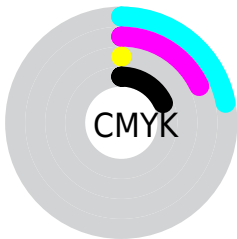
Blue (82%)



Red (64%)

Yellow (66%)

Blue (82%)

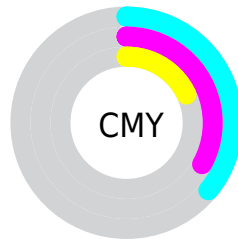


Cyan (22%)

Magenta (18%)

Yellow (0%)

Black (18%)



Cyan (36%)

Magenta (33%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 172.2390, -16.3700, 10.3340 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 172.2390, -16.3700, 10.3340 by changing the saturation by 10% instead.



■ 172.2390,  
-16.3700, 10.3340

■ 172.2390,  
-16.3700, 10.3340

■ 255.0000, -0.0000,  
-0.0000

■ 145.7120,  
-16.3240, 9.5000

■ 226.3270,  
-13.8020, 7.8460

■ 120.0110,  
-15.7280, 9.7120

■ 252.0210, -4.4930,  
-1.1730

■ 94.7830, -15.0860,  
9.0900

■ 70.9570, -15.6360,  
8.0440

■ 48.4300, -15.5900,  
7.2100

■ 26.3050, -16.7360,  
5.9520

■ 3.8760, -10.9140,

10.5740

■ 0.9120, -2.5680,  
2.4880

■ 0.0000, 0.0000,  
0.0000

■ 172.2390,  
-16.3700, 10.3340

■ 172.2390,  
-16.3700, 10.3340

■ 155.3940,  
-23.9360, 15.2960

■ 189.0840, -8.8040,  
5.3720

■ 139.1360,  
-31.7770, 19.7350

■ 205.3420, -0.9630,  
0.9330

■ 122.5900,  
-38.7470, 24.9090

■ 221.8880, 6.0070,  
-4.2410

■ 106.3320,  
-46.5880, 29.3480

■ 238.1460, 13.8480,  
-8.6800

■ 89.4870, -54.1540,  
34.3100

■ 249.6420, 15.0870,  
-14.6170

■ 73.2290, -61.9950,  
38.7490

■ 56.3840, -69.5610,  
43.7110

■ 42.4960, -75.5680,  
47.9520

# Harmonies

## Analogous

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



168.2860, -32.9200, 1.8960



172.2390, -16.3700, 10.3340



174.7530, 2.7940, 15.4500

# Triad

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



172.2390, -16.3700, 10.3340



173.5170, 32.2770, 4.2530



165.3680, -22.1880, -16.3960

# Complementary

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



172.2390, -16.3700, 10.3340



198.7610, 16.3700, -10.3340

# 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.



167.6490, -3.9860, -15.8740



172.2390, -16.3700, 10.3340



171.7240, 26.9600, -4.0160

# Square

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



172.2390, -16.3700, 10.3340



174.3030, 30.3040, 12.4800



170.1520, 13.7110, -11.7050



164.2340, -36.3100, -13.7660



# Rectangle

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



172.2390, -16.3700, 10.3340



175.1520, 14.8520, 17.1880



170.1520, 13.7110, -11.7050



165.8910, -16.4110, -16.4670

# Sweetspot

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



172.2390, -16.3700, 10.3340



242.8840, -5.3650, 3.6190



193.6330, -24.2520, -12.0280



120.6130, -3.1640, 2.2760



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.



172.2390, -16.3700, 10.3340



202.3940, -23.9360, 15.2960



172.6150, -5.5050, 17.1750



96.4280, -4.0810, 2.3750



34.4140, -61.0780, 38.6500



8.1960, -14.8110, 9.6130



# Inverse Universe

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



177.2530, 24.5730, 11.7170



209.8740, 36.1260, 17.1020



198.3850, 5.5050, -17.1750



97.5170, 5.9140, 2.9540



53.1960, 91.7820, 43.7020



12.9430, 22.5100, 10.5580



# Previews

## White Background



This preview shows how the YIQ color 172.2390, -16.3700, 10.3340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

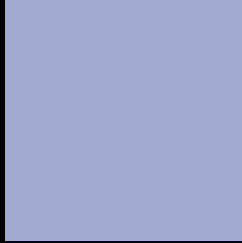
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 172.2390, -16.3700, 10.3340 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

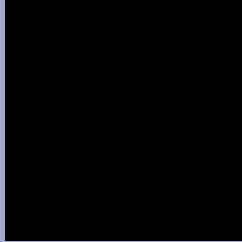
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 172.2390, -16.3700, 10.3340

## Background



This preview shows how black text looks on a background with the YIQ color 172.2390, -16.3700, 10.3340.



This preview shows how white text looks on a background with the YIQ color 172.2390, -16.3700,



# 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

172.2390, -16.3700, 10.3340

### Protanopia

172.2390, -16.3700, 10.3340

### Deuteranopia

173.1580, -11.6480, 12.8640



## Tritanopia

170.9970, -13.1130, 0.8630

# Trichromacy



## Original Color

172.2390, -16.3700, 10.3340

## Protanomaly

172.2390, -16.3700, 10.3340

## Deuteranomaly

172.8480, -13.7110, 11.7050

## Tritanomaly

171.6210, -14.8100, 4.0860

# Monochromacy



## Original Color

172.2390, -16.3700, 10.3340

## Achromatopsia

172.0000, -0.0000, -0.0000

## Achromatomaly

171.9980, -5.6860, 3.9300

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 172.2390, -16.3700, 10.3340 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(163, 170, 208)` looks like.

```
.text, #text, p{  
    color:rgb(163, 170, 208)  
}
```

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(163, 170, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 170, 208) }
```

## Border

The CSS property to change the border of an element to YIQ 172.2390, -16.3700, 10.3340 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(163, 170, 208) }
```



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

```
.border{ border-color:rgb(163, 170, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 170, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 170, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 170, 208);  
box-shadow:4px 4px 4px 4px rgb(163, 170,  
208) }
```

# Background

The CSS property to change the background color of an element to YIQ 172.2390, -16.3700, 10.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 170, 208) }
```

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

```
.background{ background-color: rgb(163,  
170, 208) }
```

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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