

# Converting Colors

YIQ(82.4390, -19.8090, 12.0870)

Have a look what the booklet for  
YIQ(82.4390, -19.8090, 12.0870)  
contains.

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# Color

**YIQ(82.4390, -19.8090,  
12.0870)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	47507D
RGB	71, 80, 125
RGB Percent	28%, 31%, 49%
CMY	0.7216, 0.6863, 0.5099
CMYK	0.43, 0.36, 0.00, 0.51
HSL	230°, 28%, 38%
HSV	230°, 43%, 49%
XYZ	9.1674, 8.5575, 20.5609
YIQ	82.4390, -19.8090, 12.0870

# Conversions

## Conversions Part 2

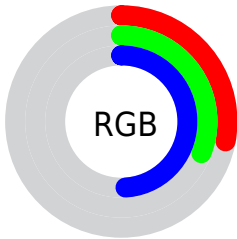
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 79, 125
Decimal	4673661
CIE Lab	35.12, 8.97, -26.61
CIE LCh	35, 28.078, 288.621
Yxy	8.5575, 0.2394, 0.2235
Android (android.graphics.Color)	4282863741 (0xFF47507D)
YUV	82.4390, 20.9826, -10.0320
Hunter-Lab	29.2532, 4.7457, -21.1954

# Details

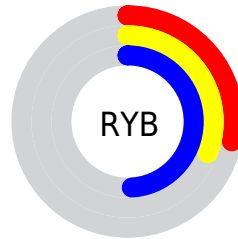
The YIQ color **82.4390, -19.8090, 12.0870** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **113.5610, 19.8090, -12.0870**, and the grayscale version is **82.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **132.4930, -19.9010, 13.7550**, and **36.0750, -21.7800, 9.2600** is the 20% darker color. If you saturate the color by 10%, you get **72.9810, -24.2110, 14.7730**, and if you desaturate by 10%, it is **92.1960, -14.8110, 9.6130**.

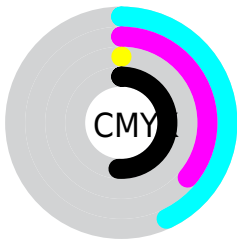
# Distribution



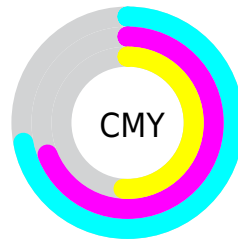
- Red (28%)
- Green (31%)
- Blue (49%)



- Red (28%)
- Yellow (31%)
- Blue (49%)



- Cyan (43%)
- Magenta (36%)
- Yellow (0%)
- Black (51%)



- Cyan (72%)
- Magenta (69%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 82.4390, -19.8090, 12.0870 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 82.4390, -19.8090, 12.0870 by changing the saturation by 10% instead.



■ 82.4390, -19.8090,  
12.0870

■ 82.4390, -19.8090,  
12.0870

■ 255.0000, -0.0000,  
-0.0000

■ 58.6130, -20.3590,  
11.0410

■ 132.4930,  
-19.9010, 13.7550

■ 36.0750, -21.7800,  
9.2600

■ 158.6070,  
-20.2220, 14.0660

■ 14.8470, -21.1380,  
8.6380

■ 186.1340,  
-20.2680, 14.9000

■ 4.7080, -10.5010,  
8.5950

■ 212.4500,  
-18.3420, 13.0340

■ 0.2280, -0.6420,  
0.6220

■ 238.1440, -9.0330,  
4.0150

■ 0.0000, 0.0000,  
0.0000

■ 82.4390, -19.8090,  
12.0870

■ 82.4390, -19.8090,  
12.0870

■ 72.9810, -24.2110,  
14.7730

■ 92.1960, -14.8110,  
9.6130

■ 62.6370, -28.9340,  
17.7700

■ 102.2410,  
-10.6840, 6.4040

■ 53.1790, -33.3360,  
20.4560

■ 111.6990, -6.2820,  
3.7180

■ 42.8350, -38.0590,  
23.4530

■ 122.0430, -1.5590,  
0.7210

■ 33.3770, -42.4610,  
26.1390

■ 131.5010, 2.8430,  
-1.9650

■ 26.5770, -45.9000,  
27.8920

■ 141.2580, 7.8410,  
-4.4390

■ 151.3030, 11.9680,  
-7.6480

■ 161.0600, 16.9660,

-10.1220

■ 171.1050, 21.0930,  
-13.3310

# Harmonies

## Analogous

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



71.7120, -51.8550, -1.8630



82.4390, -19.8090, 12.0870



84.9430, 5.3150, 19.3230

# Triad

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



82.4390, -19.8090, 12.0870



82.3710, 35.6240, 4.1680



69.4800, -37.3630, -22.2190

# Complementary

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



82.4390, -19.8090, 12.0870



113.5610, 19.8090, -12.0870

# 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.



76.3880, -7.7450, -19.3370



82.4390, -19.8090, 12.0870



81.2140, 28.3360, -6.9280

# Square

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



82.4390, -19.8090, 12.0870



83.3960, 34.4760, 13.9640



79.4460, 12.7030, -15.4650



66.1220, -56.6660, -19.3060



# Rectangle

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



82.4390, -19.8090, 12.0870



85.0000, 18.3360, 20.1280



79.4460, 12.7030, -15.4650



72.4660, -25.5800, -21.0040

# Sweetspot

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



82.4390, -19.8090, 12.0870



146.7420, -7.8410, 4.4390



107.7140, -28.9740, -14.5580



71.6560, -4.7230, 2.9970



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4390, -19.8090, 12.0870



95.9080, -31.1350, 19.1130



82.2390, -7.2020, 20.3980



58.3850, -2.5220, 1.6540



26.9190, -46.8630, 28.8250



0.0000, 0.0000, 0.0000



# Inverse Universe

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



88.1720, 29.2950, 14.2470



105.0110, 46.1660, 22.3740



113.7610, 7.2020, -20.3980



59.2070, 3.8510, 1.7950



40.6660, 69.5470, 33.6670



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 82.4390, -19.8090, 12.0870 looks on a white 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



# Black Background



This preview shows how the YIQ color 82.4390, -19.8090, 12.0870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

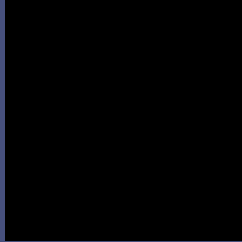
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 82.4390, -19.8090, 12.0870**

## **Background**



This preview shows how black text looks on a background with the YIQ color 82.4390, -19.8090, 12.0870.



This preview shows how white text looks on a background with the YIQ color 82.4390, -19.8090,



# 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

82.4390, -19.8090, 12.0870

### Protanopia

81.9440, -22.7890, 11.0270

### Deuteranopia

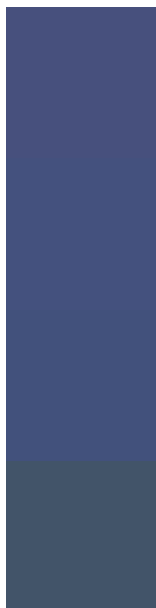
81.1070, -24.8060, 9.0340



## Tritanopia

79.9210, -15.9550, -2.6990

# Trichromacy



## Original Color

82.4390, -19.8090, 12.0870

## Protanomaly

82.2430, -22.1930, 11.2390

## Deuteranomaly

81.4170, -22.7430, 10.1930

## Tritanomaly

81.0120, -17.4690, 2.7150

# Monochromacy



## Original Color

82.4390, -19.8090, 12.0870

## Achromatopsia

82.0000, 0.0000, -0.0000

## Achromatomaly

82.0410, -7.2450, 4.6510

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 82.4390, -19.8090, 12.0870 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(71, 80, 125)` looks like.

```
.text, #text, p{  
    color:rgb(71, 80, 125)  
}
```

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(71, 80, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 80, 125) }
```

## Border

The CSS property to change the border of an element to YIQ 82.4390, -19.8090, 12.0870 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(71, 80, 125) }
```



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

```
.border{ border-color:rgb(71, 80, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 80, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 80, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 80, 125);  
box-shadow:4px 4px 4px 4px rgb(71, 80,  
125) }
```

# Background

The CSS property to change the background color of an element to YIQ 82.4390, -19.8090, 12.0870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 80, 125) }
```

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

```
.background{ background-color: rgb(71, 80,  
125) }
```

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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