

# Converting Colors

YIQ(178.7580, -24.2470,  
-39.6630)

Have a look what the booklet for  
YIQ(178.7580, -24.2470, -39.6630)  
contains.

<b>YIQ(178.7580, -24.2470, -39.6630)</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(178.7580, -24.2470,  
-39.6630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83D38A
RGB	131, 211, 138
RGB Percent	51%, 83%, 54%
CMY	0.4865, 0.1724, 0.4589
CMYK	0.38, 0.00, 0.35, 0.17
HSL	125°, 48%, 67%
HSV	125°, 38%, 83%
XYZ	37.2400, 53.2603, 32.3584
YIQ	178.7580, -24.2470, -39.6630

# Conversions

## Conversions Part 2

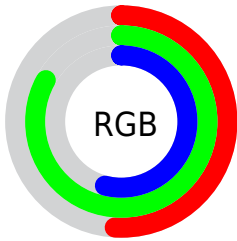
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 205, 211
Decimal	8639370
CIELab	78.03, -39.42, 28.65
CIELCh	78, 48.736, 143.993
Yxy	53.2603, 0.3031, 0.4335
Android (android.graphics.Color)	4286829450 (0xFF83D38A)
YUV	178.7580, -20.0937, -41.8838
Hunter-Lab	72.9797, -36.6295, 24.7972

# Details

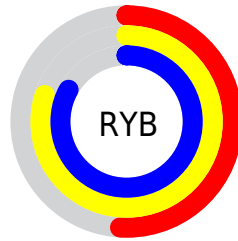
The YIQ color **178.7580, -24.2470, -39.6630** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **163.2420, 24.2470, 39.6630**, and the grayscale version is **179.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **227.4860, -20.3050, -34.0090**, and **124.5130, -24.9350, -38.2070** is the 20% darker color. If you saturate the color by 10%, you get **170.3130, -30.6640, -50.0240**, and if you desaturate by 10%, it is **187.2030, -17.8300, -29.3020**.

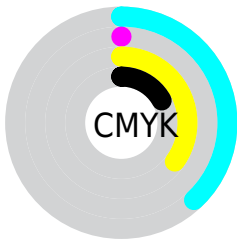
# Distribution



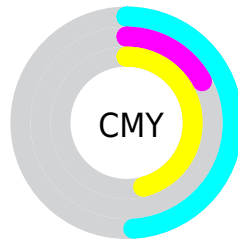
- Red (51%)
- Green (83%)
- Blue (54%)



- Red (51%)
- Yellow (80%)
- Blue (83%)



- Cyan (38%)
- Magenta (0%)
- Yellow (35%)
- Black (17%)



- Cyan (49%)
- Magenta (17%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 178.7580, -24.2470, -39.6630 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 178.7580, -24.2470, -39.6630 by changing the saturation by 10% instead.



■ 178.7580,  
-24.2470, -39.6630

■ 178.7580,  
-24.2470, -39.6630

■ 255.0000, -0.0000,  
-0.0000

■ 151.2850,  
-24.2930, -38.8290

■ 227.4860,  
-20.3050, -34.0090

■ 124.5130,  
-24.9350, -38.2070

■ 239.0500,  
-12.6050, -19.3650

■ 97.5560, -26.4940,  
-37.4860

■ 251.3260, -4.0340,  
-3.9860

■ 70.0930, -32.5000,  
-38.7720

■ 48.3110, -27.1820,  
-36.0300

■ 32.2850, -15.1250,  
-28.7650

■ 20.5450, -9.6250,

-18.3050

■ 0.0000, 0.0000,  
0.0000

■ 178.7580,  
-24.2470, -39.6630

■ 178.7580,  
-24.2470, -39.6630

■ 170.3130,  
-30.6640, -50.0240

■ 187.2030,  
-17.8300, -29.3020

■ 161.8680,  
-37.0810, -60.3850

■ 195.6480,  
-11.4130, -18.9410

■ 153.3090,  
-43.1770, -71.0570

■ 204.2070, -5.3170,  
-8.2690

■ 144.8640,  
-49.5940, -81.4180

■ 212.6520, 1.1000,  
2.0920

■ 136.1200,  
-56.6070, -91.9910

■ 221.0970, 7.5170,  
12.4530

■ 127.6750,  
-63.0240, -102.3520

■ 228.9440, 12.7420,  
22.3900

■ 126.0230,  
-64.1240, -104.4440

■ 229.1720, 12.1000,  
23.0120

# Harmonies

## Analogous

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



185.6140, 20.3170, -32.3150



178.7580, -24.2470, -39.6630



163.9850, -85.0420, -44.7060

# Triad

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



178.7580, -24.2470, -39.6630



176.3700, -77.2550, -4.0950



187.7040, 57.2160, 20.3520

# Complementary

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



178.7580, -24.2470, -39.6630



163.2420, 24.2470, 39.6630

# 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.



191.6600, 43.3210, 35.3930



178.7580, -24.2470, -39.6630



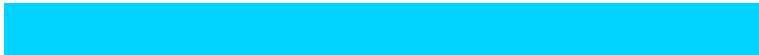
192.3820, -23.6620, 21.3460

# Square

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



178.7580, -24.2470, -39.6630



152.9270, -139.8800, -31.0480



198.8330, 18.1490, 40.0450



190.4160, 66.1140, 2.2580



# Rectangle

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



178.7580, -24.2470, -39.6630



151.6610, -128.0480, -47.2480



198.8330, 18.1490, 40.0450



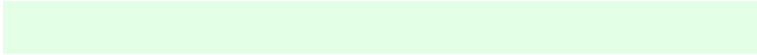
188.1260, 53.2720, 25.7520

# Sweetspot

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



178.7580, -24.2470, -39.6630



243.6640, -8.3420, -14.0220



199.7870, 21.5080, -26.3640



121.0930, -4.9960, -8.5800



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.



178.7580, -24.2470, -39.6630



207.8190, -35.3850, -58.0810



183.3180, -37.0870, -27.2230



100.5710, -3.3460, -5.4420



100.3260, -51.0150, -83.1990



24.5230, -12.5590, -20.1990



# Inverse Universe

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



163.2420, 24.2470, 39.6630



185.1810, 35.3850, 58.0810



158.6820, 37.0870, 27.2230



98.4290, 3.3460, 5.4420



67.6740, 51.0150, 83.1990



16.4770, 12.5590, 20.1990



# Previews

## White Background



This preview shows how the YIQ color 178.7580, -24.2470, -39.6630 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 178.7580, -24.2470, -39.6630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

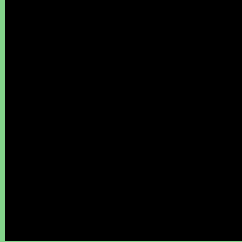
Any Text WCAG AA ✓ Pass

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 178.7580, -24.2470, -39.6630 Background



This preview shows how black text looks on a background with the YIQ color 178.7580, -24.2470, -39.6630.



This preview shows how white text looks on a background with the YIQ color 178.7580, -24.2470, -39.6630.

-39.6630.

# 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

178.7580, -24.2470, -39.6630

### Protanopia

189.7160, 29.4380, -15.8900

### Deuteranopia

191.9980, 37.8720, -3.5360



## Tritanopia

186.6780, -37.3200, -6.4720

# Trichromacy



## Original Color

178.7580, -24.2470, -39.6630



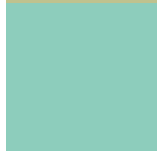
## Protanomaly

185.7950, 9.8620, -24.5540



## Deuteranomaly

187.1750, 14.9040, -16.8080



## Tritanomaly

183.9260, -32.6870, -18.8550

# Monochromacy



## Original Color

178.7580, -24.2470, -39.6630



## Achromatopsia

179.0000, -0.0000, -0.0000



## Achromatomaly

179.2510, -8.6170, -14.5450

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 178.7580, -24.2470, -39.6630 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(131, 211, 138)` looks like.

```
.text, #text, p{  
    color:rgb(131, 211, 138)  
}
```

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(131, 211, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 211, 138) }
```

## Border

The CSS property to change the border of an element to YIQ 178.7580, -24.2470, -39.6630 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(131, 211, 138) }
```



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

```
.border{ border-color:rgb(131, 211, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 211, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 211, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 211, 138);  
box-shadow:4px 4px 4px 4px rgb(131, 211,  
138) }
```

# Background

The CSS property to change the background color of an element to YIQ 178.7580, -24.2470, -39.6630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 211, 138) }
```

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

```
.background{ background-color: rgb(131,  
211, 138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor