

# Converting Colors

YIQ(249.2780, 5.0890, 1.3850)

Have a look what the booklet for  
YIQ(249.2780, 5.0890, 1.3850)  
contains.

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# Color

**YIQ(249.2780, 5.0890,  
1.3850)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7F6
RGB	255, 247, 246
RGB Percent	100%, 97%, 96%
CMY	0.0000, 0.0314, 0.0353
CMYK	0.00, 0.03, 0.04, 0.00
HSL	7°, 100%, 98%
HSV	7°, 4%, 100%
XYZ	91.1351, 94.4336, 100.6173
YIQ	249.2780, 5.0890, 1.3850

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 247, 246
Decimal	16775158
CIE Lab	97.81, 2.50, 1.41
CIE LCh	98, 2.871, 29.479
Yxy	94.4336, 0.3184, 0.3300
Android (android.graphics.Color)	4294965238 (0xFFFFF7F6)
YUV	249.2780, -1.6161, 5.0182
Hunter-Lab	97.1770, -2.6577, 6.6349

# Details

The YIQ color 249.2780, 5.0890, 1.3850 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 251.7220, -5.0890, -1.3850, and the grayscale version is 249.0000, -0.0000, -0.0000.

A 20% lighter version of the original color is 255.0000, -0.0000, -0.0000, and 192.9790, 4.4930, 1.1730 is the 20% darker color. If you saturate the color by 10%, you get 232.9270, 19.4390, 5.6390, and if you desaturate by 10%, it is 255.0000, -0.0000, -0.0000.

# Distribution



Red (100%)

Green (97%)

Blue (96%)



Red (100%)

Yellow (97%)

Blue (96%)



Cyan (0%)

Magenta (3%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (3%)

Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 249.2780, 5.0890, 1.3850 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 249.2780, 5.0890, 1.3850 by changing the saturation by 10% instead.





 249.2780, 5.0890,  
1.3850


 249.2780, 5.0890,  
1.3850

255.0000, -0.0000,  
-0.0000


 220.9790, 4.4930,  
1.1730

 192.9790, 4.4930,  
1.1730

 165.9790, 4.4930,  
1.1730

 139.2780, 5.0890,  
1.3850

 113.9790, 4.4930,  
1.1730

 89.6800, 3.8970,  
0.9610

 66.0930, 4.1720,

1.4840

■ 43.7940, 3.5760,  
1.2720

■ 23.3810, 3.3010,  
0.7490

■ 249.2780, 5.0890,  
1.3850

■ 249.2780, 5.0890,  
1.3850

■ 232.9270, 19.4390,  
5.6390

255.0000, -0.0000,  
-0.0000

■ 217.0490, 33.8350,  
9.0590

■ 200.6980, 48.1850,  
13.3130

■ 184.2330, 62.8560,  
17.2560

■ 168.4690, 76.9310,  
20.9870

■ 152.0040, 91.6020,  
24.9300

■ 135.6530,  
105.9520, 29.1840

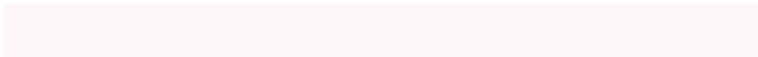
■ 119.7750,  
120.3480, 32.6040

■ 103.4240,  
134.6980, 36.8580

# Harmonies

## Analogous

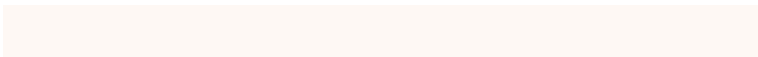
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



249.3210, 3.5300, 2.1060



249.2780, 5.0890, 1.3850



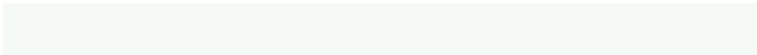
249.3380, 4.8600, 0.0280

# Triad

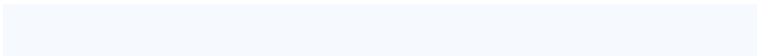
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



249.2780, 5.0890, 1.3850



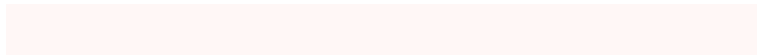
248.0490, -1.6960, -2.3040



248.6730, -3.3930, 0.9190

# Complementary

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



249.2780, 5.0890, 1.3850



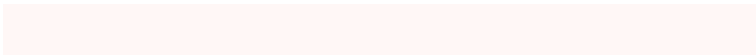
251.7220, -5.0890, -1.3850

# Split Complementary

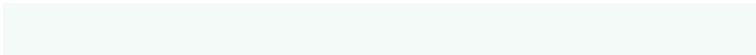
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



248.2490, -5.1350, -0.5510



249.2780, 5.0890, 1.3850



247.6790, -3.5300, -2.1060

# Square

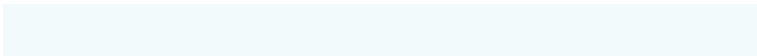
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



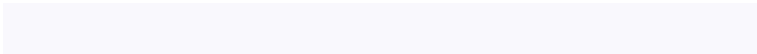
249.2780, 5.0890, 1.3850



248.1310, 1.0090, -1.7670



247.7220, -5.0890, -1.3850

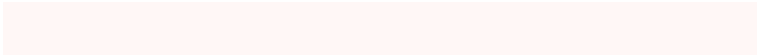


248.8690, -1.0090, 1.7670

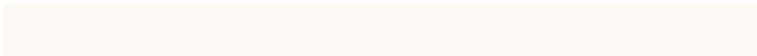


# Rectangle

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



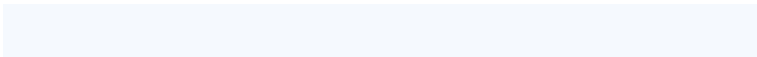
249.2780, 5.0890, 1.3850



248.6260, 3.9890, -0.7070



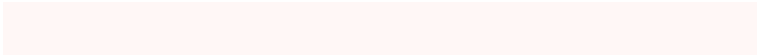
247.7220, -5.0890, -1.3850



248.3740, -3.9890, 0.7070

# Sweetspot

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



249.2780, 5.0890, 1.3850



253.4840, 1.5130, 0.1130



249.6030, 2.7960, 4.3960



126.5980, 1.1920, 0.4240



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

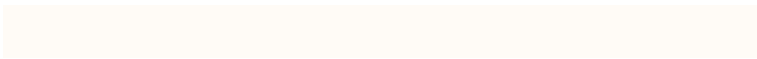
The Same Dimension uses a secret algorithm to generate beautiful new colors.



249.2780, 5.0890, 1.3850



248.5770, 5.6850, 1.5970



251.6260, 3.9890, -0.7070



123.6800, 3.8970, 0.9610



69.4360, 108.0610, 29.5090



23.2450, 36.2190, 9.9070

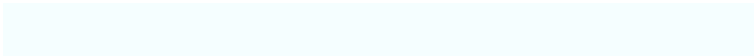


# Inverse Universe

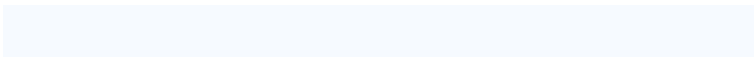
The Inverse Universe completely reimagines the original color for something new.



251.7220, -5.0890, -1.3850



251.4230, -5.6850, -1.5970



249.3740, -3.9890, 0.7070



125.3200, -3.8970, -0.9610



121.5640, -108.0610, -29.5090

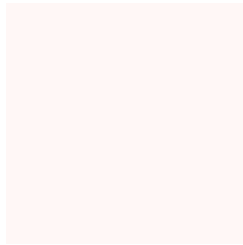


40.7550, -36.2190, -9.9070



# Previews

## White Background



This preview shows how the YIQ color 249.2780, 5.0890, 1.3850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

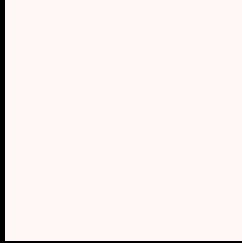
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 249.2780, 5.0890, 1.3850 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

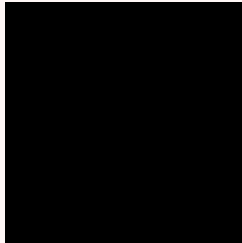
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

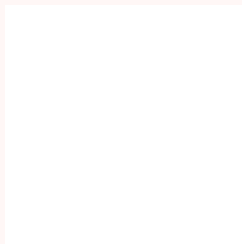
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 249.2780, 5.0890, 1.3850**

## **Background**



This preview shows how black text looks on a background with the YIQ color 249.2780, 5.0890, 1.3850.



This preview shows how white text looks on a background with the YIQ color 249.2780, 5.0890,

1.3860.

# 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**

249.2780, 5.0890, 1.3850

**Protanopia**

248.6800, 3.8970, 0.9610

**Deuteranopia**

249.5060, 4.4470, 2.0070

## **Tritanopia**

249.4070, 0.4120, 3.5480

# Trichromacy



**Original Color**

249.2780, 5.0890, 1.3850

**Protanomaly**

248.9790, 4.4930, 1.1730

**Deuteranomaly**

249.3920, 4.7680, 1.6960

**Tritanomaly**

249.3640, 1.9710, 2.8270

# Monochromacy



**Original Color**

249.2780, 5.0890, 1.3850

**Achromatopsia**

249.0000, -0.0000, -0.0000

**Achromatomaly**

248.8970, 1.7880, 0.6360

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 249.2780, 5.0890, 1.3850 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(255, 247, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 246)  
}
```

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(255, 247, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 246) }
```

## Border

The CSS property to change the border of an element to YIQ 249.2780, 5.0890, 1.3850 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(255, 247, 246) }
```



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

```
.border{ border-color:rgb(255, 247, 246) }
```

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

Here you see how a box with a 4 pixel rgb(255, 247, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
246) }
```

# Background

The CSS property to change the background color of an element to YIQ 249.2780, 5.0890, 1.3850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 246) }
```

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

```
.background{ background-color: rgb(255,  
247, 246) }
```

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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