

# Converting Colors

YIQ(228.8170, 39.1590,  
-21.3610)

Have a look what the booklet for  
YIQ(228.8170, 39.1590, -21.3610)  
contains.

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# Color

**YIQ(228.8170, 39.1590,  
-21.3610)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDE895
RGB	253, 232, 149
RGB Percent	99%, 91%, 58%
CMY	0.0078, 0.0902, 0.4155
CMYK	0.00, 0.08, 0.41, 0.01
HSL	48°, 96%, 79%
HSV	48°, 41%, 99%
XYZ	74.7912, 80.7624, 40.1040
YIQ	228.8170, 39.1590, -21.3610

# Conversions

## Conversions Part 2

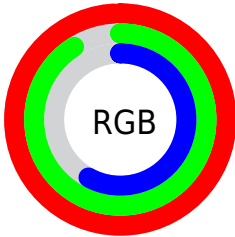
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	175, 253, 149
Decimal	16640149
CIE Lab	92.03, -4.02, 42.89
CIE LCh	92, 43.076, 95.355
Yxy	80.7624, 0.3823, 0.4128
Android (android.graphics.Color)	4294830229 (0xFFFDE895)
YUV	228.8170, -39.3498, 21.2085
Hunter-Lab	89.8679, -8.7149, 36.4491

# Details

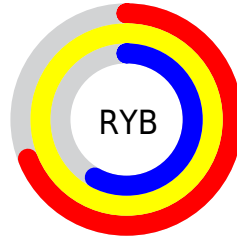
The YIQ color  $228.8170, 39.1590, -21.3610$  is a light color, and the websafe version is hex  $FFFF99$ . A complement of this color would be  $173.1830, -39.1590, 21.3610$ , and the grayscale version is  $229.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $249.1860, 16.3710, -15.8610$ , and  $173.2620, 36.4080, -21.0640$  is the 20% darker color. If you saturate the color by 10%, you get  $223.0320, 48.5590, -26.5210$ , and if you desaturate by 10%, it is  $234.6020, 29.7590, -16.2010$ .

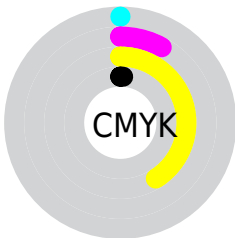
# Distribution



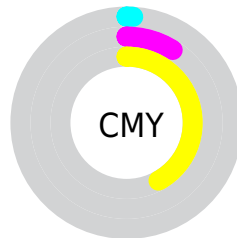
- Red (99%)
- Green (91%)
- Blue (58%)



- Red (69%)
- Yellow (99%)
- Blue (58%)



- Cyan (0%)
- Magenta (8%)
- Yellow (41%)
- Black (1%)



- Cyan (1%)
- Magenta (9%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 228.8170, 39.1590, -21.3610 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 228.8170, 39.1590, -21.3610 by changing the saturation by 10% instead.



228.8170, 39.1590,  
-21.3610

228.8170, 39.1590,  
-21.3610

255.0000, -0.0000,  
-0.0000

200.7460, 37.9210,  
-20.9510

249.1860, 16.3710,  
-15.8610

173.2620, 36.4080,  
-21.0640

252.4920, 7.0620,  
-6.8420

146.1910, 35.1700,  
-20.6540

119.7070, 33.6570,  
-20.7670

93.9950, 32.7860,  
-21.5020

70.3260, 30.3560,  
-21.5160

49.3500, 21.7810,

-14.7870

■ 29.5480, 12.6560,  
-9.1040

■ 6.1690, -2.1540,  
-5.0180

■ 228.8170, 39.1590,  
-21.3610

■ 228.8170, 39.1590,  
-21.3610

■ 223.0320, 48.5590,  
-26.5210

■ 234.6020, 29.7590,  
-16.2010

■ 217.1330, 58.2800,  
-31.9920

■ 240.5010, 20.0380,  
-10.7300

■ 211.3480, 67.6800,  
-37.1520

■ 246.2860, 10.6380,  
-5.5700

■ 205.5630, 77.0800,  
-42.3120

■ 252.0710, 1.2380,  
-0.4100

■ 199.1910, 86.7550, 254.4020, -1.1920,  
-46.9490 -0.4240

■ 194.2210, 95.2380,  
-52.0100

# Harmonies

## Analogous

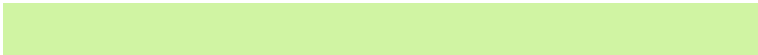
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



222.2230, 41.3120, -10.8160



228.8170, 39.1590, -21.3610



224.0020, 4.5450, -32.8230

# Triad

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



228.8170, 39.1590, -21.3610



202.0990, -102.5580, -35.6300



226.2370, 13.4750, 25.6270

# Complementary

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



228.8170, 39.1590, -21.3610



173.1830, -39.1590, 21.3610

# 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.



231.4760, 5.1320, 17.1320



228.8170, 39.1590, -21.3610



209.6510, -77.3890, -23.7010

# Square

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



228.8170, 39.1590, -21.3610



209.4080, -81.5590, -36.2390



222.3410, -34.7530, -3.4330



219.4090, 24.4340, 19.7460

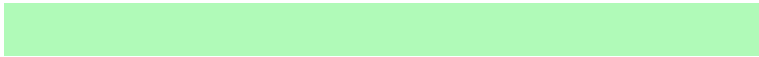


# Rectangle

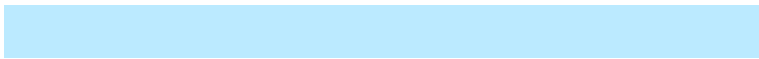
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



228.8170, 39.1590, -21.3610



220.3500, -22.9180, -36.2140



222.3410, -34.7530, -3.4330



227.9980, 12.6500, 24.0580

# Sweetspot

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



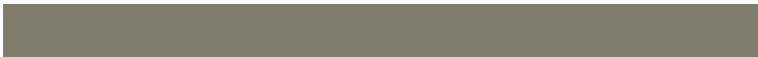
228.8170, 39.1590, -21.3610



247.9440, 11.6010, -6.5030



182.7180, 54.6010, 29.2010



123.6000, 6.8780, -3.5060



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.



228.8170, 39.1590, -21.3610



226.0750, 47.0000, -25.8000



232.4730, 16.1000, -38.4920



124.7570, 4.9980, -2.4740



146.9200, 71.7610, -39.5270



49.0730, 24.1190, -13.1050



# Inverse Universe

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



173.1830, -39.1590, 21.3610



158.9250, -47.0000, 25.8000



169.8260, -15.5040, 38.7040



117.6560, -4.7230, 2.9970



44.6670, -72.0360, 39.0040



14.9270, -24.1190, 13.1050



# Previews

## White Background



This preview shows how the YIQ color 228.8170, 39.1590, -21.3610 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 228.8170, 39.1590, -21.3610 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

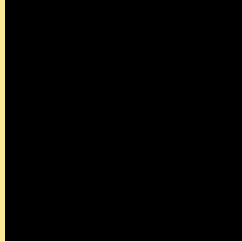
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 228.8170, 39.1590, -21.3610

## Background



This preview shows how black text looks on a background with the YIQ color 228.8170, 39.1590, -21.3610.



This preview shows how white text looks on a background with the YIQ color 228.8170, 39.1590, -21.3610.

-21.3610.

# 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

228.8170, 39.1590, -21.3610

### Protanopia

228.8170, 39.1590, -21.3610

### Deuteranopia

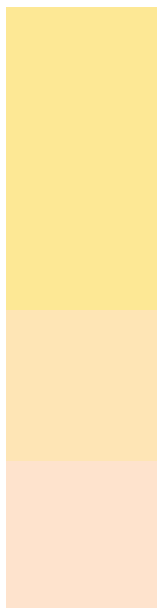
232.8810, 25.0800, -2.9840



## Tritanopia

234.7510, 14.3030, 10.6150

# Trichromacy



## Original Color

228.8170, 39.1590, -21.3610

## Protanomaly

228.8170, 39.1590, -21.3610

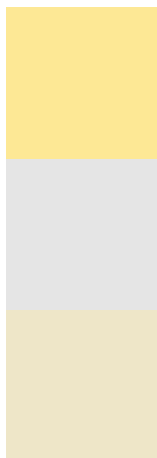
## Deuteranomaly

231.0030, 30.3080, -9.6280

## Tritanomaly

232.5650, 23.1540, -1.1180

# Monochromacy



## Original Color

228.8170, 39.1590, -21.3610

## Achromatopsia

229.0000, -0.0000, -0.0000

## Achromatomaly

228.9720, 14.3980, -7.6340

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 228.8170, 39.1590, -21.3610 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(253, 232, 149)` looks like.

```
.text, #text, p{  
    color:rgb(253, 232, 149)  
}
```

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(253, 232, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 232, 149) }
```

## Border

The CSS property to change the border of an element to YIQ 228.8170, 39.1590, -21.3610 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(253, 232, 149) }
```



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

```
.border{ border-color:rgb(253, 232, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 232, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 232, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 232, 149);  
box-shadow:4px 4px 4px 4px rgb(253, 232,  
149) }
```

# Background

The CSS property to change the background color of an element to YIQ 228.8170, 39.1590, -21.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 232, 149) }
```

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

```
.background{ background-color: rgb(253,  
232, 149) }
```

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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