

# Converting Colors

YIQ(217.1640, -11.7850, 9.8390)

Have a look what the booklet for  
YIQ(217.1640, -11.7850, 9.8390)  
contains.

<b>YIQ(217.1640, -11.7850, 9.8390)</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(217.1640, -11.7850,  
9.8390)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D4D6F7
RGB	212, 214, 247
RGB Percent	83%, 84%, 97%
CMY	0.1686, 0.1608, 0.0314
CMYK	0.14, 0.13, 0.00, 0.03
HSL	237°, 69%, 90%
HSV	237°, 14%, 97%
XYZ	67.9850, 68.8055, 97.6784
YIQ	217.1640, -11.7850, 9.8390

# Conversions

## Conversions Part 2

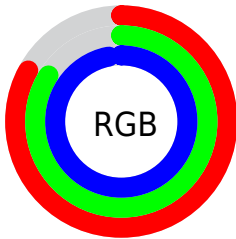
Format	Color
R <sub>Y</sub> B	212, 214, 247
Decimal	13948663
CIE Lab	86.41, 5.75, -16.32
CIE LCh	86, 17.307, 289.392
Yxy	68.8055, 0.2900, 0.2935
Android (android.graphics.Color)	4292138743 (0xFFD4D6F7)
YUV	217.1640, 14.7091, -4.5288
Hunter-Lab	82.9491, 1.1375, -11.7538

# Details

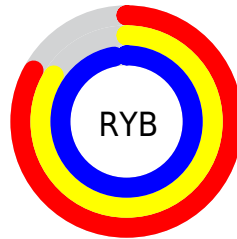
The YIQ color  $217.1640, -11.7850, 9.8390$  is a light color, and the websafe version is hex  $CCCCFF$ . A complement of this color would be  $241.8360, 11.7850, -9.8390$ , and the grayscale version is  $217.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $162.0500, -11.4640, 9.5280$  is the 20% darker color. If you saturate the color by 10%, you get  $196.1880, -20.3600, 16.5680$ , and if you desaturate by 10%, it is  $238.1400, -3.2100, 3.1100$ .

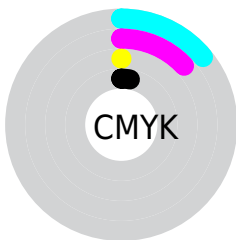
# Distribution



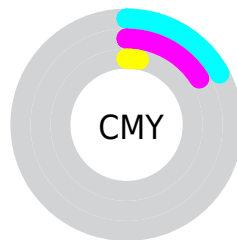
- Red (83%)
- Green (84%)
- Blue (97%)



- Red (83%)
- Yellow (84%)
- Blue (97%)



- Cyan (14%)
- Magenta (13%)
- Yellow (0%)
- Black (3%)



- Cyan (17%)
- Magenta (16%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 217.1640, -11.7850, 9.8390 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 217.1640, -11.7850, 9.8390 by changing the saturation by 10% instead.



■ 217.1640,  
-11.7850, 9.8390

■ 217.1640,  
-11.7850, 9.8390

255.0000, -0.0000,  
-0.0000

■ 189.0500,  
-11.4640, 9.5280

■ 162.0500,  
-11.4640, 9.5280

■ 135.8220,  
-10.8220, 8.9060

■ 110.4090,  
-11.0970, 8.3830

■ 86.2950, -10.7760,  
8.0720

■ 62.7680, -10.7300,  
7.2380

■ 40.6540, -10.4090,

6.9270

■ 20.1270, -10.3630,  
6.0930

■ 2.9810, -7.0160,  
6.0080

■ 217.1640,  
-11.7850, 9.8390

■ 217.1640,  
-11.7850, 9.8390

■ 196.1880,  
-20.3600, 16.5680

■ 238.1400, -3.2100,  
3.1100

■ 174.9240,  
-28.0640, 24.0320

■ 254.0880, 2.5680,  
-2.4880

■ 153.9480,  
-36.6390, 30.7610

■ 132.9720,  
-45.2140, 37.4900

■ 112.2950,  
-53.1930, 44.4310

■ 90.7320, -61.4930,  
51.6830

■ 69.7560, -70.0680,  
58.4120

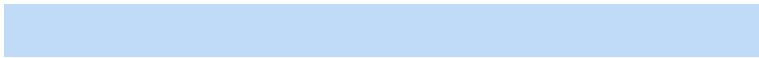
■ 48.7800, -78.6430,  
65.1410

■ 36.3760, -83.1370,  
69.4950

# Harmonies

## Analogous

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



213.9340, -25.9970, 3.0830



217.1640, -11.7850, 9.8390



219.1830, 4.3990, 13.8950

# Triad

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



217.1640, -11.7850, 9.8390



217.8370, 28.3800, 3.2920



211.3190, -20.4920, -14.0920

# Complementary

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



217.1640, -11.7850, 9.8390



241.8360, 11.7850, -9.8390

# 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.



212.6320, -5.3160, -13.7960



217.1640, -11.7850, 9.8390



216.2720, 22.4210, -4.3550

# Square

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



217.1640, -11.7850, 9.8390



218.8680, 27.0950, 10.0630



214.2380, 10.5930, -10.2630



210.4520, -30.9920, -11.0240



# Rectangle

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



217.1640, -11.7850, 9.8390



219.2720, 14.3940, 14.4740



214.2380, 10.5930, -10.2630



211.5430, -15.3110, -14.3750

# Sweetspot

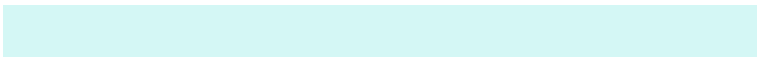
The Sweet Spot groups the original color and five complimentary colors.



217.1640, -11.7850, 9.8390



246.1400, -3.2100, 3.1100



236.3070, -20.2180, -8.0420



121.7980, -2.2470, 2.1770



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.



217.1640, -11.7850, 9.8390



218.0760, -14.3530, 12.3270



220.4750, -2.2950, 14.0650



111.9550, -4.1270, 3.2090



27.6610, -62.7310, 52.0930



8.4870, -19.7640, 16.7800



# Inverse Universe

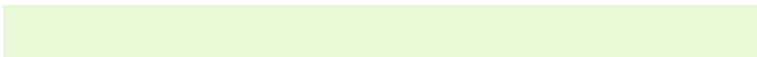
The Inverse Universe completely reimagines the original color for something new.



222.6930, 20.2180, 8.0420



225.0850, 24.9860, 9.7380



238.5250, 2.2950, -14.0650



113.7020, 6.8310, 2.8550



56.8680, 107.3250, 42.8530

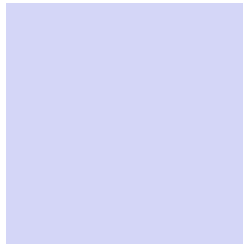


17.9830, 34.2010, 13.4410



# Previews

## White Background



This preview shows how the YIQ color 217.1640, -11.7850, 9.8390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

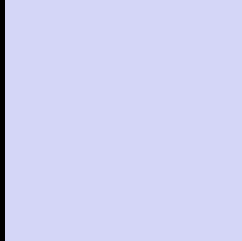
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 217.1640, -11.7850, 9.8390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

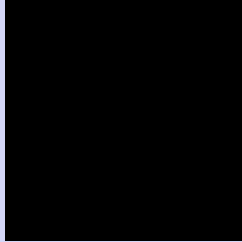
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 217.1640, -11.7850, 9.8390

## Background



This preview shows how black text looks on a background with the YIQ color 217.1640, -11.7850, 9.8390.



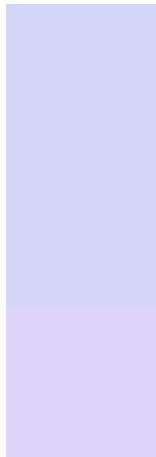
This preview shows how white text looks on a background with the YIQ color 217.1640, -11.7850,

9.8390.

# 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

217.1640, -11.7850, 9.8390

### Protanopia

216.8650, -12.3810, 9.6270

### Deuteranopia

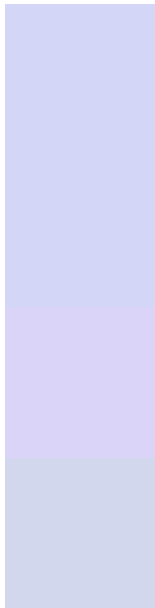
218.5070, -5.3210, 13.8390



## Tritanopia

216.1440, -9.0330, 4.0150

# Trichromacy



## Original Color

217.1640, -11.7850, 9.8390

## Protanomaly

216.8650, -12.3810, 9.6270

## Deuteranomaly

217.8980, -7.9800, 12.4680

## Tritanomaly

216.4260, -9.7670, 6.3050

# Monochromacy



## Original Color

217.1640, -11.7850, 9.8390

## Achromatopsia

217.0000, -0.0000, 0.0000

## Achromatomaly

217.0690, -4.4480, 3.5200

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 217.1640, -11.7850, 9.8390 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(212, 214, 247)` looks like.

```
.text, #text, p{  
    color:rgb(212, 214, 247)  
}
```

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(212, 214, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 214, 247) }
```

## Border

The CSS property to change the border of an element to YIQ 217.1640, -11.7850, 9.8390 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(212, 214, 247) }
```



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

```
.border{ border-color:rgb(212, 214, 247) }
```

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

Here you see how a box with a 4 pixel rgb(212, 214, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 214, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 214, 247);  
box-shadow:4px 4px 4px 4px rgb(212, 214,  
247) }
```

# Background

The CSS property to change the background color of an element to YIQ 217.1640, -11.7850, 9.8390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 214, 247) }
```

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

```
.background{ background-color: rgb(212,  
214, 247) }
```

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