

# Converting Colors

YIQ(237.6990, -24.6180,  
-16.4100)

Have a look what the booklet for  
YIQ(237.6990, -24.6180, -16.4100)  
contains.

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# Color

**YIQ(237.6990, -24.6180,  
-16.4100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFED
RGB	204, 255, 237
RGB Percent	80%, 100%, 93%
CMY	0.2001, 0.0000, 0.0707
CMYK	0.20, 0.00, 0.07, 0.00
HSL	159°, 100%, 90%
HSV	159°, 20%, 100%
XYZ	75.9355, 90.4658, 93.5638
YIQ	237.6990, -24.6180, -16.4100

# Conversions

## Conversions Part 2

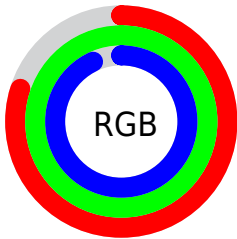
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 235, 255
Decimal	13434861
CIE Lab	96.19, -19.62, 3.29
CIE LCh	96, 19.898, 170.489
Yxy	90.4658, 0.2921, 0.3480
Android (android.graphics.Color)	4291624941 (0xFFCCFFED)
YUV	237.6990, -0.3446, -29.5540
Hunter-Lab	95.1135, -23.9400, 8.2555

# Details

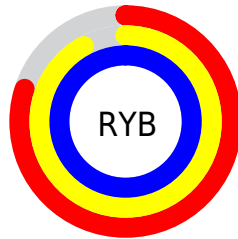
The YIQ color  $237.6990, -24.6180, -16.4100$  is a light color, and the websafe version is hex  $CCFFFF$ . A complement of this color would be  $221.3010, 24.6180, 16.4100$ , and the grayscale version is  $238.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $181.4110, -23.7470, -15.6750$  is the 20% darker color. If you saturate the color by 10%, you get  $228.8990, -37.2250, -24.7210$ , and if you desaturate by 10%, it is  $246.2000, -12.6070, -8.3110$ .

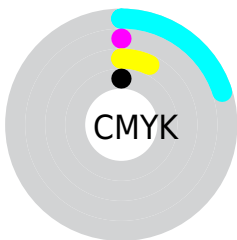
# Distribution



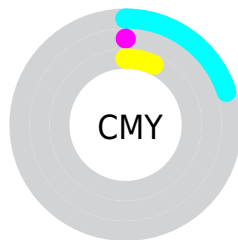
- Red (80%)
- Green (100%)
- Blue (93%)



- Red (80%)
- Yellow (92%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 237.6990, -24.6180, -16.4100 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 237.6990, -24.6180, -16.4100 by changing the saturation by 10% instead.





 237.6990,  
-24.6180, -16.4100


 237.6990,  
-24.6180, -16.4100


255.0000, -0.0000,  
-0.0000


 209.1120,  
-24.3430, -15.8870


 181.4110,  
-23.7470, -15.6750

 154.7100,  
-23.1510, -15.4630

 128.1230,  
-22.8760, -14.9400

 102.5360,  
-22.6010, -14.4170

 78.5360, -22.6010,  
-14.4170

 54.3510, -23.5180,

-14.3180

■ 31.5790, -24.1600,  
-13.6960

■ 17.9180, -11.8730,  
-10.6010

■ 237.6990,  
-24.6180, -16.4100

■ 237.6990,  
-24.6180, -16.4100

■ 228.8990,  
-37.2250, -24.7210

■ 246.2000,  
-12.6070, -8.3110

■ 220.3980,  
-49.2360, -32.8200

255.0000, -0.0000,  
-0.0000

■ 211.5980,  
-61.8430, -41.1310

■ 203.0970,  
-73.8540, -49.2300

■ 194.2970,  
-86.4610, -57.5410

■ 185.7960,  
-98.4720, -65.6400

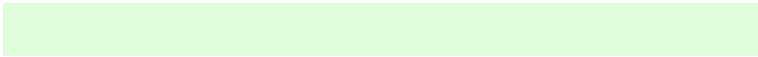
■ 176.9960,  
-111.0790, -73.9510

■ 168.4950,  
-123.0900, -82.0500

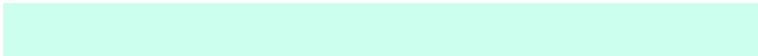
# Harmonies

## Analogous

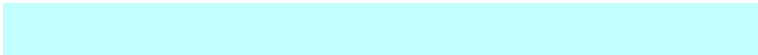
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



239.5670, -6.6910, -16.4110



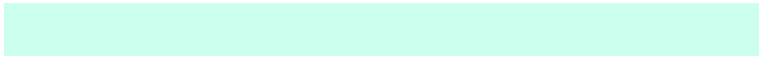
237.6990, -24.6180, -16.4100



236.7610, -36.3560, -12.9320

# Triad

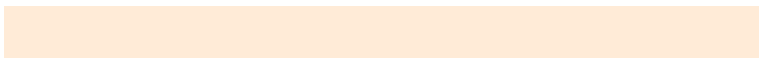
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



237.6990, -24.6180, -16.4100



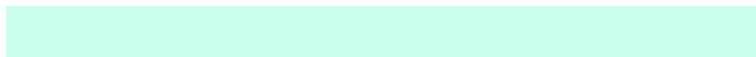
242.2970, -5.0900, 4.1420



238.7000, 18.3400, -1.9800

# Complementary

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



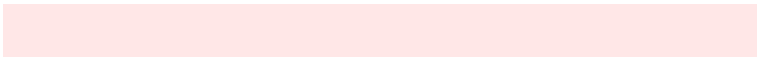
237.6990, -24.6180, -16.4100



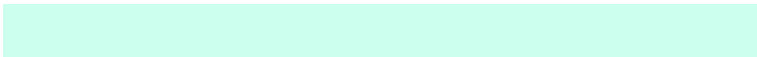
221.3010, 24.6180, 16.4100

# 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.



238.1760, 14.3040, 5.0880



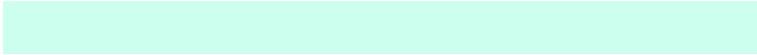
237.6990, -24.6180, -16.4100



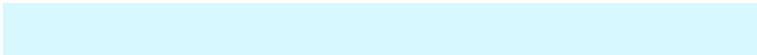
243.2600, 5.5000, 10.4600

# Square

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



237.6990, -24.6180, -16.4100



238.9310, -21.9150, -4.8190



240.4560, 7.8840, 11.3080

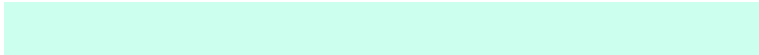


241.1960, 19.5790, -7.9170

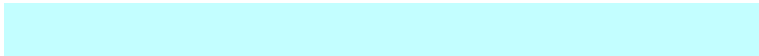


# Rectangle

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



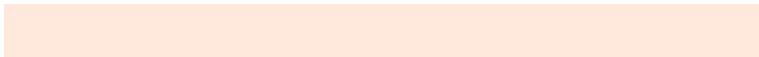
237.6990, -24.6180, -16.4100



236.4730, -35.4850, -12.1970



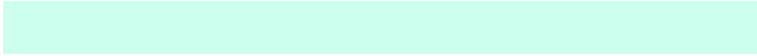
240.4560, 7.8840, 11.3080



238.0960, 17.2850, 0.6210

# Sweetspot

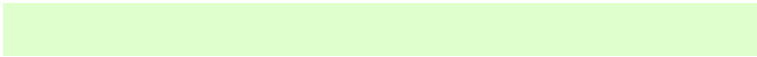
The Sweet Spot groups the original color and five complimentary colors.



237.6990, -24.6180, -16.4100



249.9450, -7.3350, -4.7350



239.6180, -2.7010, -22.6450



124.8530, -4.0800, -3.1520



0.0000, 0.0000, 0.0000

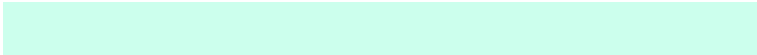


128.0000, -0.0000, -0.0000

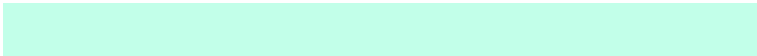


# Same Dimension

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



237.6990, -24.6180, -16.4100



234.2530, -29.2940, -19.7740



235.6420, -28.4710, -7.1510



123.5430, -6.1430, -4.3110



126.2530, -92.3290, -61.3290



42.2420, -30.7610, -20.7210



# Inverse Universe

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



221.3010, 24.6180, 16.4100



214.6330, 29.6150, 19.4630



223.3580, 28.4710, 7.1510



119.3430, 6.4640, 4.0000



64.8610, 92.0080, 61.6400

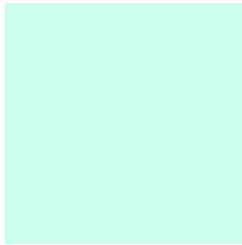


21.7580, 30.7610, 20.7210



# Previews

## White Background



This preview shows how the YIQ color 237.6990, -24.6180, -16.4100 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

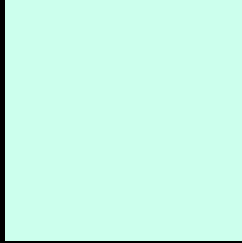
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 237.6990, -24.6180, -16.4100 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

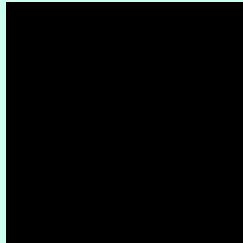
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

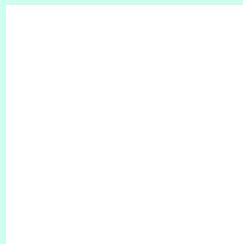
Any Text WCAG AAA ✓ Pass

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

# YIQ 237.6990, -24.6180, -16.4100 Background



This preview shows how black text looks on a background with the YIQ color 237.6990, -24.6180, -16.4100.



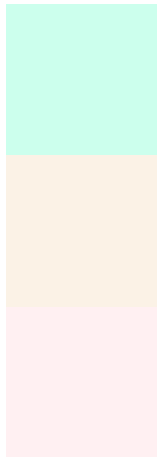
This preview shows how white text looks on a background with the YIQ color 237.6990, -24.6180, -16.4100.

-16.4100.

# 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

237.6990, -24.6180, -16.4100

### Protanopia

243.3230, 9.2160, -1.8240

### Deuteranopia

244.7130, 8.2980, 3.8020



## Tritanopia

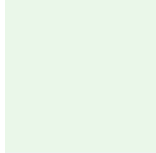
242.2420, -12.4250, -0.5930

# Trichromacy



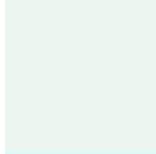
## Original Color

237.6990, -24.6180, -16.4100



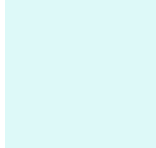
## Protanomaly

241.5170, -3.2540, -7.1100



## Deuteranomaly

241.7390, -3.7590, -3.4630



## Tritanomaly

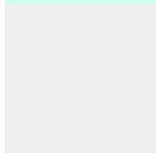
240.5140, -16.3670, -6.2470

# Monochromacy



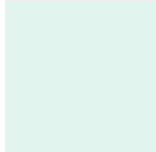
## Original Color

237.6990, -24.6180, -16.4100



## Achromatopsia

238.0000, -0.0000, 0.0000



## Achromatomaly

237.9340, -8.8020, -5.6820

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 237.6990, -24.6180, -16.4100 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(204, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 237)  
}
```

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(204, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 237) }
```

## Border

The CSS property to change the border of an element to YIQ 237.6990, -24.6180, -16.4100 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(204, 255, 237) }
```



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

```
.border{ border-color:rgb(204, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
237) }
```

# Background

The CSS property to change the background color of an element to YIQ 237.6990, -24.6180, -16.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 237) }
```

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

```
.background{ background-color: rgb(204,  
255, 237) }
```

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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