

# Converting Colors

YIQ(238.7250, -27.5070,  
-13.6110)

Have a look what the booklet for  
YIQ(238.7250, -27.5070, -13.6110)  
contains.

<b>YIQ(238.7250, -27.5070, -13.6110)</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(238.7250, -27.5070,  
-13.6110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFF6
RGB	204, 255, 246
RGB Percent	80%, 100%, 96%
CMY	0.2001, 0.0000, 0.0354
CMYK	0.20, 0.00, 0.04, 0.00
HSL	169°, 100%, 90%
HSV	169°, 20%, 100%
XYZ	77.2835, 91.0050, 100.6603
YIQ	238.7250, -27.5070, -13.6110

# Conversions

## Conversions Part 2

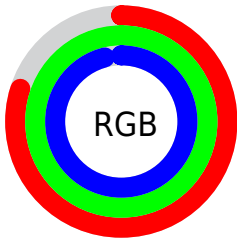
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 232, 255
Decimal	13434870
CIELab	96.41, -17.85, -1.02
CIElCh	96, 17.884, 183.267
Yxy	91.0050, 0.2874, 0.3384
Android (android.graphics.Color)	4291624950 (0xFFCCFF6)
YUV	238.7250, 3.5866, -30.4538
Hunter-Lab	95.3965, -22.3359, 4.2161

# Details

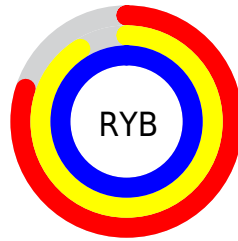
The YIQ color  $238.7250, -27.5070, -13.6110$  is a light color, and the websafe version is hex  $CCFFFF$ . A complement of this color would be  $220.2750, 27.5070, 13.6110$ , and the grayscale version is  $239.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $182.4370, -26.6360, -12.8760$  is the 20% darker color. If you saturate the color by 10%, you get  $230.3810, -41.3980, -20.6780$ , and if you desaturate by 10%, it is  $246.6560, -13.8910, -7.0670$ .

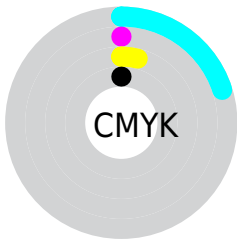
# Distribution



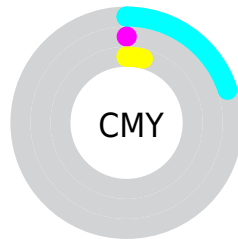
- Red (80%)
- Green (100%)
- Blue (96%)



- Red (80%)
- Yellow (91%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 238.7250, -27.5070, -13.6110 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 238.7250, -27.5070, -13.6110 by changing the saturation by 10% instead.



■ 238.7250,  
-27.5070, -13.6110

■ 238.7250,  
-27.5070, -13.6110

255.0000, -0.0000,  
-0.0000

■ 210.1380,  
-27.2320, -13.0880

■ 182.4370,  
-26.6360, -12.8760

■ 155.4370,  
-26.6360, -12.8760

■ 129.0350,  
-25.4440, -12.4520

■ 103.4480,  
-25.1690, -11.9290

■ 79.1490, -25.7650,  
-12.1410

■ 54.9640, -26.6820,

-12.0420

■ 32.3770, -26.4070,  
-11.5190

■ 18.8300, -14.4410,  
-8.1130

■ 238.7250,  
-27.5070, -13.6110

■ 238.7250,  
-27.5070, -13.6110

■ 230.3810,  
-41.3980, -20.6780

■ 246.6560,  
-13.8910, -7.0670

■ 222.4500,  
-55.0140, -27.2220

255.0000, -0.0000,  
-0.0000

■ 214.1060,  
-68.9050, -34.2890

■ 206.1750,  
-82.5210, -40.8330

■ 197.8310,  
-96.4120, -47.9000

■ 189.9000,  
-110.0280, -54.4440

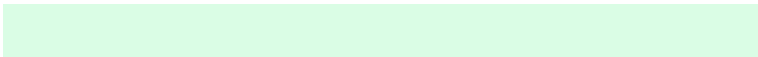
■ 181.5560,  
-123.9190, -61.5110

■ 173.6250,  
-137.5350, -68.0550

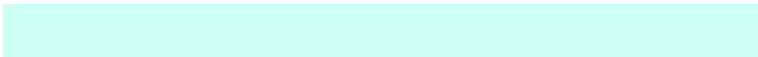
# Harmonies

## Analogous

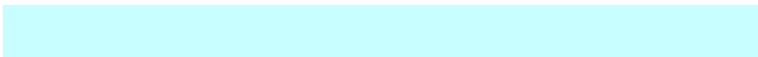
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



239.7990, -13.1560, -14.8840



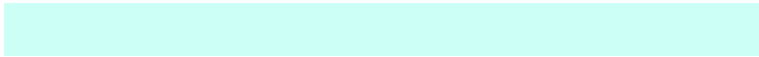
238.7250, -27.5070, -13.6110



237.9680, -32.5050, -11.1370

# Triad

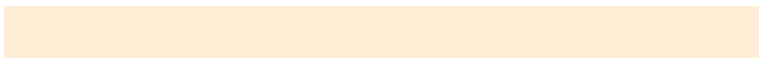
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



238.7250, -27.5070, -13.6110



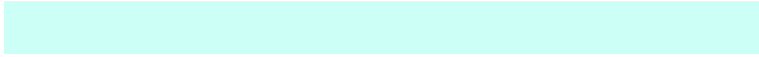
244.9990, 1.7410, 6.9970



240.3470, 17.8360, -3.8600

# Complementary

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



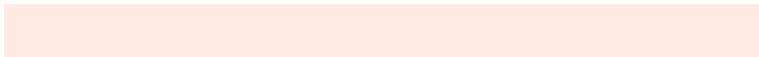
238.7250, -27.5070, -13.6110



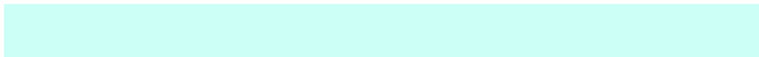
220.2750, 27.5070, 13.6110

# 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.



239.3670, 15.0840, 1.9640



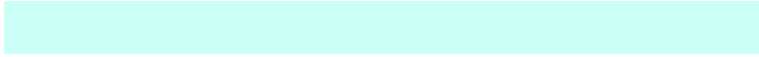
238.7250, -27.5070, -13.6110



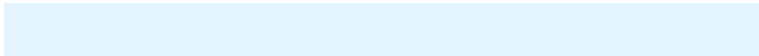
243.2600, 5.5000, 10.4600

# Square

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



238.7250, -27.5070, -13.6110



241.0570, -13.3420, -0.4940



240.7180, 9.9020, 7.7740



243.4130, 17.4700, -8.2420



# Rectangle

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



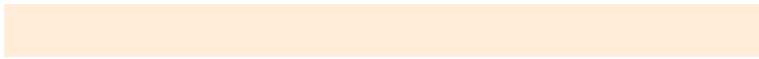
238.7250, -27.5070, -13.6110



238.2890, -28.9750, -9.0310



240.7180, 9.9020, 7.7740



240.2160, 16.8270, -2.0930

# Sweetspot

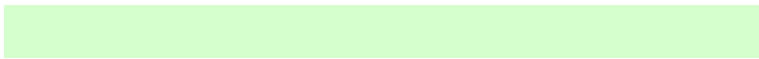
The Sweet Spot groups the original color and five complimentary colors.



238.7250, -27.5070, -13.6110



250.1730, -7.9770, -4.1130



236.6280, -8.6610, -24.7650



125.0810, -4.7220, -2.5300



0.0000, 0.0000, 0.0000

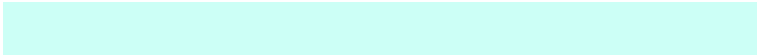


128.0000, -0.0000, -0.0000

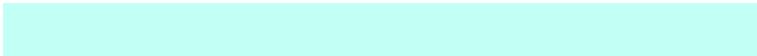


# Same Dimension

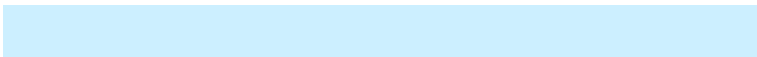
The Same Dimension uses a secret algorithm to generate beautiful new colors.



238.7250, -27.5070, -13.6110



235.5070, -32.8250, -16.3530



230.3590, -25.9960, -2.4440



123.7710, -6.7850, -3.6890



130.0150, -102.9220, -51.0660



43.4960, -34.2920, -17.3000



# Inverse Universe

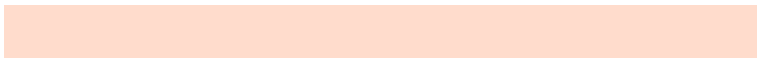
The Inverse Universe completely reimagines the original color for something new.



220.2750, 27.5070, 13.6110



213.4930, 32.8250, 16.3530



228.6410, 25.9960, 2.4440



119.1150, 7.1060, 3.3780



60.9850, 102.9220, 51.0660

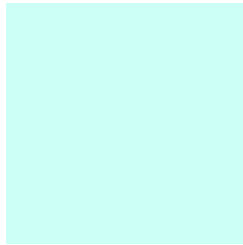


20.3900, 34.6130, 16.9890



# Previews

## White Background



This preview shows how the YIQ color 238.7250, -27.5070, -13.6110 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

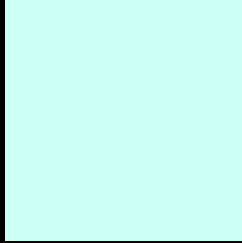
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 238.7250, -27.5070, -13.6110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

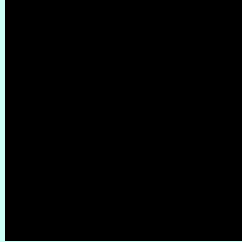
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

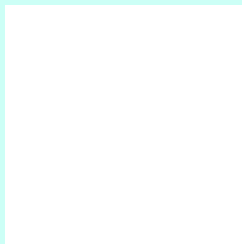
Any Text WCAG AAA ✓ Pass

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

# YIQ 238.7250, -27.5070, -13.6110 Background



This preview shows how black text looks on a background with the YIQ color 238.7250, -27.5070, -13.6110.



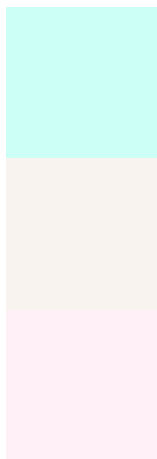
This preview shows how white text looks on a background with the YIQ color 238.7250, -27.5070, -13.6110.

-13.6110.

# 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

238.7250, -27.5070, -13.6110

### Protanopia

244.3380, 4.8600, 0.0280

### Deuteranopia

245.2830, 6.6930, 5.3570



## Tritanopia

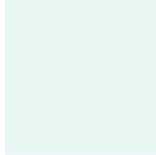
243.1280, -12.1040, -0.9040

# Trichromacy



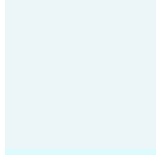
## Original Color

238.7250, -27.5070, -13.6110



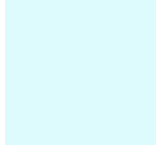
## Protanomaly

242.2440, -6.7390, -4.5230



## Deuteranomaly

242.5370, -6.0060, -1.2860



## Tritanomaly

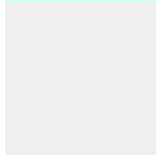
241.5570, -17.9260, -5.5260

# Monochromacy



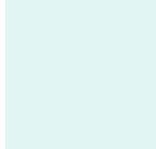
## Original Color

238.7250, -27.5070, -13.6110



## Achromatopsia

239.0000, -0.0000, -0.0000



## Achromatomaly

238.9770, -10.3610, -4.9610

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 238.7250, -27.5070, -13.6110 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 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(204, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 246) }
```

## Border

The CSS property to change the border of an element to YIQ 238.7250, -27.5070, -13.6110 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, 246) }
```



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

```
.border{ border-color:rgb(204, 255, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
246) }
```

# Background

The CSS property to change the background color of an element to YIQ 238.7250, -27.5070, -13.6110 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, 246) }
```

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

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