

# Converting Colors

YIQ(213.4640, -66.7970,  
-28.4370)

Have a look what the booklet for  
YIQ(213.4640, -66.7970, -28.4370)  
contains.

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# Color

**YIQ(213.4640, -66.7970,  
-28.4370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84FAEF
RGB	132, 250, 239
RGB Percent	52%, 98%, 94%
CMY	0.4826, 0.0194, 0.0630
CMYK	0.47, 0.00, 0.04, 0.02
HSL	174°, 92%, 75%
HSV	174°, 47%, 98%
XYZ	59.2756, 79.5298, 93.8373
YIQ	213.4640, -66.7970, -28.4370

# Conversions

## Conversions Part 2

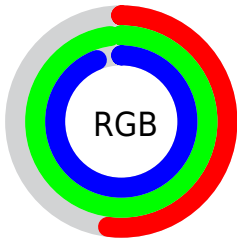
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 194, 250
Decimal	8714991
CIELab	91.47, -36.06, -5.03
CIELCh	91, 36.412, 187.938
Yxy	79.5298, 0.2548, 0.3419
Android (android.graphics.Color)	4286905071 (0xFF84FAEF)
YUV	213.4640, 12.5892, -71.4439
Hunter-Lab	89.1795, -37.4191, 0.0389

# Details

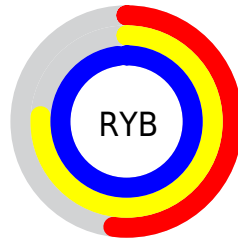
The YIQ color **213.4640, -66.7970, -28.4370** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **168.5360, 66.7970, 28.4370**, and the grayscale version is **213.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **235.8640, -38.1440, -13.5680**, and **155.0830, -70.0980, -29.1860** is the 20% darker color. If you saturate the color by 10%, you get **205.7610, -81.0550, -34.3590**, and if you desaturate by 10%, it is **221.1670, -52.5390, -22.5150**.

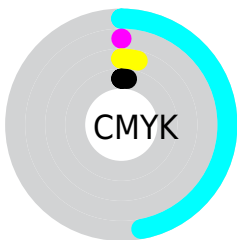
# Distribution



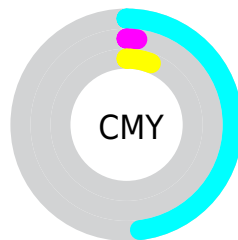
- Red (52%)
- Green (98%)
- Blue (94%)



- Red (52%)
- Yellow (76%)
- Blue (98%)



- Cyan (47%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)



- Cyan (48%)
- Magenta (2%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 213.4640, -66.7970, -28.4370 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 213.4640, -66.7970, -28.4370 by changing the saturation by 10% instead.



213.4640,  
-66.7970, -28.4370

213.4640,  
-66.7970, -28.4370

255.0000, -0.0000,  
-0.0000

184.2790,  
-67.7140, -28.3380

235.8640,  
-38.1440, -13.5680

155.0830,  
-70.0980, -29.1860

244.8340,  
-20.2640, -7.2080

123.8970,  
-78.4420, -32.1540

254.1030, -1.7880,  
-0.6360

96.4130, -79.9550,  
-32.2670

78.3010, -64.7800,  
-26.4440

60.8900, -50.2010,  
-20.8330

44.1800, -36.2180,

-15.4340

■ 28.2850, -23.1520,  
-9.9360

■ 8.2810, -8.1610,  
-0.7770

■ 213.4640,  
-66.7970, -28.4370

■ 213.4640,  
-66.7970, -28.4370

■ 205.7610,  
-81.0550, -34.3590

■ 221.1670,  
-52.5390, -22.5150

■ 197.9440,  
-94.9920, -40.5920

■ 228.9840,  
-38.6020, -16.2820

■ 190.2410,  
-109.2500, -46.5140

■ 236.6870,  
-24.3440, -10.3600

■ 182.5380,  
-123.5080, -52.4360

■ 244.3900,  
-10.0860, -4.4380

■ 174.7210,  
-137.4450, -58.6690

■ 251.6090, 2.6590,  
1.3710

■ 172.6280,  
-141.6170, -60.1530

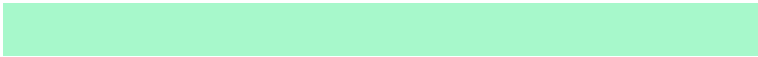
■ 251.8370, 2.0170,  
1.9930

■ 252.0650, 1.3750,  
2.6150

# Harmonies

## Analogous

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



218.6510, -33.8310, -31.1670



213.4640, -66.7970, -28.4370



210.8250, -77.9390, -24.7470

# Triad

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



213.4640, -66.7970, -28.4370



231.1880, 6.0030, 17.8670



224.4230, 37.8730, -9.0630

# Complementary

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



213.4640, -66.7970, -28.4370



168.5360, 66.7970, 28.4370

# 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.



220.4740, 33.8360, 3.5320



213.4640, -66.7970, -28.4370



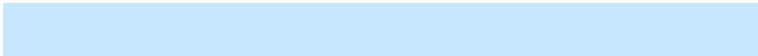
227.4110, 12.9250, 24.5810

# Square

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



213.4640, -66.7970, -28.4370



224.1680, -26.7760, 0.6800



221.8880, 24.3430, 15.8870

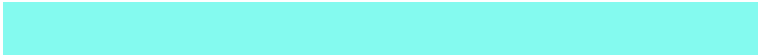


227.5050, 31.4100, -18.5900



# Rectangle

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



213.4640, -66.7970, -28.4370



212.9620, -67.8990, -19.4750



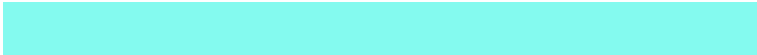
221.8880, 24.3430, 15.8870



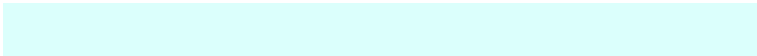
222.7590, 37.0470, -5.1050

# Sweetspot

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



213.4640, -66.7970, -28.4370



243.8940, -20.4930, -8.5650



204.8540, -25.2980, -59.1700



121.0800, -12.1490, -5.5970



0.0000, 0.0000, 0.0000

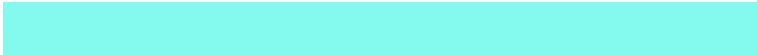


128.0000, -0.0000, -0.0000



# Same Dimension

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



213.4640, -66.7970, -28.4370



210.0490, -81.9260, -35.0940



187.1290, -57.4030, -0.4350



120.9990, -7.4270, -3.0670



130.4370, -106.8660, -45.6660



42.0770, -34.4300, -14.7980



# Inverse Universe

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



168.5360, 66.7970, 28.4370



154.8370, 82.2470, 34.7830



194.8710, 57.4030, 0.4350



116.1150, 7.1060, 3.3780



58.5630, 106.8660, 45.6660

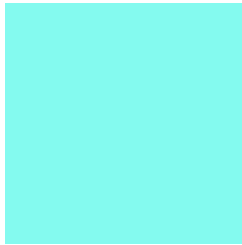


18.9230, 34.4300, 14.7980



# Previews

## White Background



This preview shows how the YIQ color 213.4640, -66.7970, -28.4370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

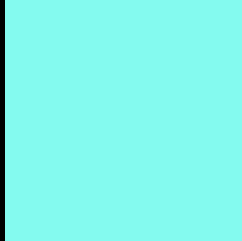
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 213.4640, -66.7970, -28.4370 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

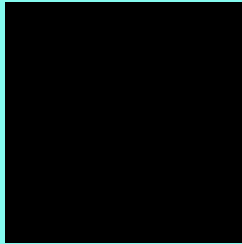
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

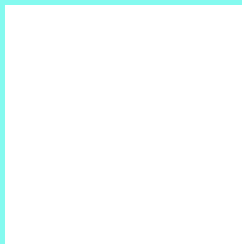
Any Text WCAG AAA ✓ Pass

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

# YIQ 213.4640, -66.7970, -28.4370 Background



This preview shows how black text looks on a background with the YIQ color 213.4640, -66.7970, -28.4370.



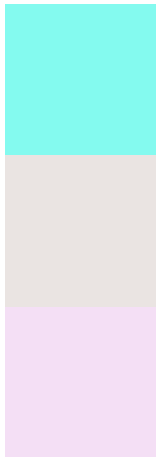
This preview shows how white text looks on a background with the YIQ color 213.4640, -66.7970, -28.4370.

-28.4370.

# 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

213.4640, -66.7970, -28.4370

### Protanopia

229.5660, 4.2180, 0.6500

### Deuteranopia

231.7870, 5.4540, 11.2940



## Tritanopia

222.5630, -44.4260, -9.8500

# Trichromacy



## Original Color

213.4640, -66.7970, -28.4370



## Protanomaly

223.7690, -21.6390, -9.8230



## Deuteranomaly

225.1700, -21.0900, -3.2500



## Tritanomaly

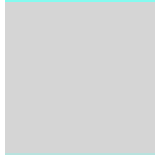
219.1550, -52.2650, -16.4650

# Monochromacy



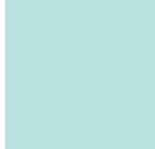
## Original Color

213.4640, -66.7970, -28.4370



## Achromatopsia

213.0000, -0.0000, 0.0000



## Achromatomaly

212.9860, -23.7480, -10.1480

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 213.4640, -66.7970, -28.4370 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(132, 250, 239)` looks like.

```
.text, #text, p{  
    color:rgb(132, 250, 239)  
}
```

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(132, 250, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 250, 239) }
```

## Border

The CSS property to change the border of an element to YIQ 213.4640, -66.7970, -28.4370 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(132, 250, 239) }
```



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

```
.border{ border-color:rgb(132, 250, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 250, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 250, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 250, 239);  
box-shadow:4px 4px 4px 4px rgb(132, 250,  
239) }
```

# Background

The CSS property to change the background color of an element to YIQ 213.4640, -66.7970, -28.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 250, 239) }
```

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

```
.background{ background-color: rgb(132,  
250, 239) }
```

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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