

# Converting Colors

YIQ(193.0840, -79.8660,  
-17.3540)

Have a look what the booklet for  
YIQ(193.0840, -79.8660, -17.3540)  
contains.

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# Color

**YIQ(193.0840, -79.8660,  
-17.3540)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6AE2FC
RGB	106, 226, 252
RGB Percent	42%, 89%, 99%
CMY	0.5846, 0.1135, 0.0121
CMYK	0.58, 0.10, 0.00, 0.01
HSL	191°, 96%, 70%
HSV	191°, 58%, 99%
XYZ	50.7029, 64.5030, 101.8020
YIQ	193.0840, -79.8660, -17.3540

# Conversions

## Conversions Part 2

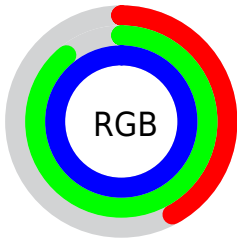
Format	Color
<a href="#">RYB</a>	<a href="#">106, 172, 252</a>
Decimal	<a href="#">7004924</a>
CIELab	<a href="#">84.23, -26.50, -22.76</a>
CIELCh	<a href="#">84, 34.936, 220.657</a>
Yxy	<a href="#">64.5030, 0.2336, 0.2972</a>
Android (android.graphics.Color)	<a href="#">4285195004 (0xFF6AE2FC)</a>
YUV	<a href="#">193.0840, 29.0456, -76.3727</a>
Hunter-Lab	<a href="#">80.3137, -27.8603, -18.9337</a>

# Details

The YIQ color **193.0840, -79.8660, -17.3540** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **164.9160, 79.8660, 17.3540**, and the grayscale version is **193.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **228.9870, -51.8520, -18.4440**, and **129.7940, -93.8490, -22.7530** is the 20% darker color. If you saturate the color by 10%, you get **183.2610, -93.6660, -20.5620**, and if you desaturate by 10%, it is **203.4940, -66.3410, -14.6690**.

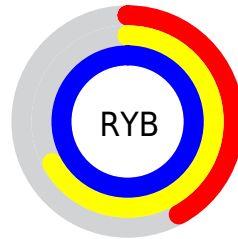
# Distribution



Red (42%)

Green (89%)

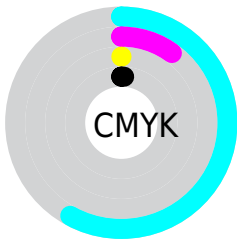
Blue (99%)



Red (42%)

Yellow (67%)

Blue (99%)

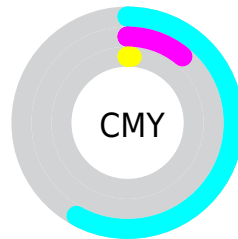


Cyan (58%)

Magenta (10%)

Yellow (0%)

Black (1%)



Cyan (58%)

Magenta (11%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 193.0840, -79.8660, -17.3540 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 193.0840, -79.8660, -17.3540 by changing the saturation by 10% instead.



193.0840,  
-79.8660, -17.3540

193.0840,  
-79.8660, -17.3540

255.0000, -0.0000,  
-0.0000

163.1760,  
-83.1210, -18.9370

228.9870,  
-51.8520, -18.4440

129.4950,  
-94.4450, -22.9650

238.2560,  
-33.3760, -11.8720

103.6800,  
-93.5280, -23.0640

247.2260,  
-15.4960, -5.5120

85.4540, -78.0320,  
-17.5520

67.8150, -62.8110,  
-12.5630

50.8770, -48.1860,  
-7.7860

34.7540, -34.4780,

-2.9100

■ 19.8050, -21.3200,  
0.9200

■ 3.4370, -8.3000,  
7.2520

■ 193.0840,  
-79.8660, -17.3540

■ 193.0840,  
-79.8660, -17.3540

■ 183.2610,  
-93.6660, -20.5620

■ 203.4940,  
-66.3410, -14.6690

■ 172.8510,  
-107.1910, -23.2470

■ 213.3170,  
-52.5410, -11.4610

■ 162.7290,  
-121.5870, -26.6670

■ 223.4390,  
-38.1450, -8.0410

■ 152.3190,  
-135.1120, -29.3520

■ 233.8490,  
-24.6200, -5.3560

■ 150.2370,  
-137.8170, -29.8890

■ 243.6720,  
-10.8200, -2.1480

■ 253.4840, 1.5130,  
0.1130

■ 254.6580, 0.9630,  
-0.9330

# Harmonies

## Analogous

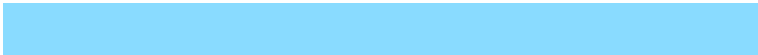
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



193.1160, -65.6970, -26.3450



193.0840, -79.8660, -17.3540



198.5860, -60.4280, -6.1880

# Triad

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



193.0840, -79.8660, -17.3540



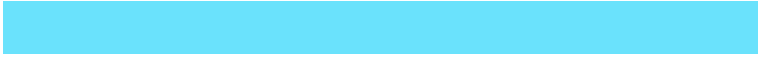
213.1630, 25.4870, 28.1990



207.3520, 27.4670, -18.7170

# Complementary

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



193.0840, -79.8660, -17.3540



164.9160, 79.8660, 17.3540

# 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.



210.3210, 47.0880, -5.3600



193.0840, -79.8660, -17.3540



208.1130, 36.9510, 18.6710

# Square

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



193.0840, -79.8660, -17.3540



214.0660, 0.7750, 24.5110



207.6280, 45.2060, 6.7260



203.1680, -1.5540, -26.9140

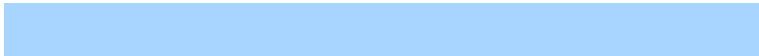


# Rectangle

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



193.0840, -79.8660, -17.3540



204.3330, -40.3020, 3.5220



207.6280, 45.2060, 6.7260



208.1790, 35.4440, -14.6040

# Sweetspot

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



193.0840, -79.8660, -17.3540



237.4470, -23.4280, -4.9320



194.4380, -47.8540, -68.8940



117.2910, -14.1210, -2.8970



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

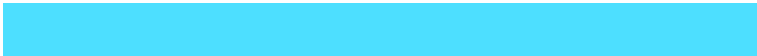


# Same Dimension

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



193.0840, -79.8660, -17.3540



182.9940, -97.2880, -21.0000



151.4070, -60.3410, 19.7790



119.9390, -7.1980, -1.7100



112.5310, -103.2940, -22.2860



36.3040, -33.3310, -7.1790



# Inverse Universe

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



163.3340, 48.4960, 68.2720



146.8660, 59.2220, 83.1420



206.5930, 60.3410, -19.7790



117.1410, 4.2170, 6.1770



74.1810, 62.8890, 88.2730

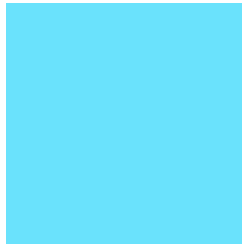


23.9390, 20.3060, 28.4820



# Previews

## White Background



This preview shows how the YIQ color 193.0840, -79.8660, -17.3540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

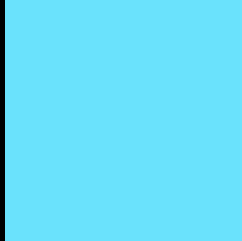
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 193.0840, -79.8660, -17.3540 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 193.0840, -79.8660, -17.3540 Background



This preview shows how black text looks on a background with the YIQ color 193.0840, -79.8660, -17.3540.



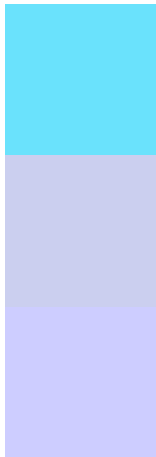
This preview shows how white text looks on a background with the YIQ color 193.0840, -79.8660, -17.3540.

-17.3540.

# 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

193.0840, -79.8660, -17.3540

### Protanopia

209.4520, -12.6560, 9.1040

### Deuteranopia

210.7000, -16.0500, 15.5500



## Tritanopia

191.9760, -79.6820, -20.6900

# Trichromacy



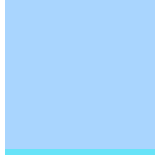
## Original Color

193.0840, -79.8660, -17.3540



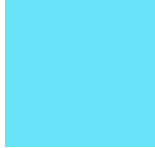
## Protanomaly

203.6660, -37.0460, -0.4220



## Deuteranomaly

204.5180, -39.3850, 3.4230



## Tritanomaly

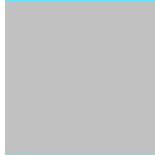
192.6170, -80.0490, -19.5450

# Monochromacy



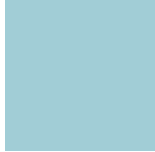
## Original Color

193.0840, -79.8660, -17.3540



## Achromatopsia

193.0000, -0.0000, -0.0000



## Achromatomaly

192.8700, -29.1130, -6.5290

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 193.0840, -79.8660, -17.3540 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(106, 226, 252)` looks like.

```
.text, #text, p{  
    color:rgb(106, 226, 252)  
}
```

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(106, 226, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 226, 252) }
```

## Border

The CSS property to change the border of an element to YIQ 193.0840, -79.8660, -17.3540 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(106, 226, 252) }
```



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

```
.border{ border-color:rgb(106, 226, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 226, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 226, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 226, 252);  
box-shadow:4px 4px 4px 4px rgb(106, 226,  
252) }
```

# Background

The CSS property to change the background color of an element to YIQ 193.0840, -79.8660, -17.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 226, 252) }
```

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

```
.background{ background-color: rgb(106,  
226, 252) }
```

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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