

# Converting Colors

YIQ(178.4270, -119.2420,  
-63.6740)

Have a look what the booklet for  
YIQ(178.4270, -119.2420, -63.6740)  
contains.

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# Color

**YIQ(178.4270, -119.2420,  
-63.6740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	19FCCA
RGB	25, 252, 202
RGB Percent	10%, 99%, 79%
CMY	0.9024, 0.0114, 0.2083
CMYK	0.90, 0.00, 0.20, 0.01
HSL	167°, 98%, 54%
HSV	167°, 90%, 99%
XYZ	45.8852, 74.1445, 67.7013
YIQ	178.4270, -119.2420, -63.6740

# Conversions

## Conversions Part 2

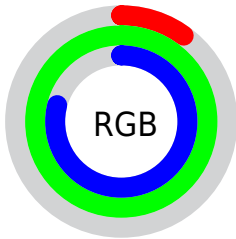
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	25, 153, 252
Decimal	1703114
CIE <sub>Lab</sub>	88.99, -60.31, 10.32
CIE <sub>LCh</sub>	89, 61.185, 170.294
Yxy	74.1445, 0.2444, 0.3950
Android (android.graphics.Color)	4279893194 (0xFF19FCCA)
YUV	178.4270, 11.6215, -134.5555
Hunter-Lab	86.1072, -55.5677, 13.6586

# Details

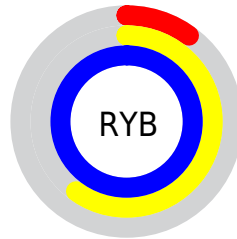
The YIQ color **178.4270, -119.2420, -63.6740** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **98.5730, 119.2420, 63.6740**, and the grayscale version is **178.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **214.6350, -80.4600, -28.6200**, and **130.7500, -100.8580, -55.4340** is the 20% darker color. If you saturate the color by 10%, you get **170.2680, -132.2160, -70.8400**, and if you desaturate by 10%, it is **186.4720, -105.9470, -56.8190**.

# Distribution



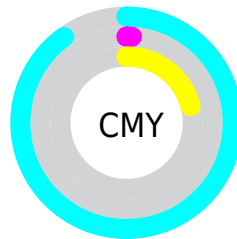
- Red (10%)
- Green (99%)
- Blue (79%)



- Red (10%)
- Yellow (60%)
- Blue (99%)



- Cyan (90%)
- Magenta (0%)
- Yellow (20%)
- Black (1%)



- Cyan (90%)
- Magenta (1%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 178.4270, -119.2420, -63.6740 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 178.4270, -119.2420, -63.6740 by changing the saturation by 10% instead.



■ 178.4270,  
-119.2420, -63.6740

■ 178.4270,  
-119.2420, -63.6740

■ 255.0000, -0.0000,  
-0.0000

■ 150.7370,  
-117.1790, -62.5150

■ 214.6350,  
-80.4600, -28.6200

■ 130.7500,  
-100.8580, -55.4340

■ 225.1000,  
-59.6000, -21.2000

■ 111.3500,  
-84.8120, -48.8760

■ 234.9670,  
-39.9320, -14.2040

■ 92.6510, -69.3620,  
-42.5300

■ 244.5350,  
-20.8600, -7.4200

■ 74.0660, -54.2330,  
-35.8730

■ 254.1030, -1.7880,  
-0.6360

■ 56.2960, -40.0210,  
-29.1170

■ 39.2270, -26.4050,

-22.5730

■ 22.4030, -12.1010,  
-17.4850

■ 0.0000, 0.0000,  
0.0000

■ 178.4270,  
-119.2420, -63.6740

■ 178.4270,  
-119.2420, -63.6740

■ 170.2680,  
-132.2160, -70.8400

■ 186.4720,  
-105.9470, -56.8190

■ 194.6310,  
-92.9730, -49.6530

■ 203.0890,  
-79.4030, -42.2750

■ 211.1340,  
-66.1080, -35.4200

■ 219.2930,  
-53.1340, -28.2540

■ 227.3380,  
-39.8390, -21.3990

■ 235.4970,  
-26.8650, -14.2330

■ 243.8410,  
-12.9740, -7.1660

■ 252.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



205.6080, -24.2450, -50.7170



178.4270, -119.2420, -63.6740



177.5810, -151.4300, -53.0140

# Triad

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



178.4270, -119.2420, -63.6740



214.7650, -23.8430, 8.1010



204.4530, 55.5240, -4.0600

# Complementary

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



178.4270, -119.2420, -63.6740



98.5730, 119.2420, 63.6740

# 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.



201.3480, 43.5990, 19.3350



178.4270, -119.2420, -63.6740



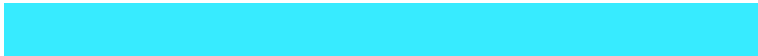
218.6060, 17.0500, 32.4260

# Square

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



178.4270, -119.2420, -63.6740



183.4600, -113.7000, -31.9400



207.4870, 24.9350, 38.2070



213.9470, 59.1040, -24.8960



# Rectangle

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



178.4270, -119.2420, -63.6740



175.8200, -150.6050, -51.4450



207.4870, 24.9350, 38.2070



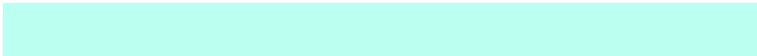
202.6410, 52.3590, 3.7430

# Sweetspot

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



178.4270, -119.2420, -63.6740



232.6590, -36.3090, -19.2930



174.0960, -30.8370, -107.4850



114.6010, -21.2260, -11.8020



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.



178.4270, -119.2420, -63.6740



172.3710, -134.0040, -71.4760



148.9070, -118.7920, -16.7440



120.7710, -6.7850, -3.6890



127.7010, -99.1620, -53.1300



41.2790, -32.1830, -16.9750



# Inverse Universe

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



98.5730, 119.2420, 63.6740



82.6290, 134.0040, 71.4760



128.0930, 118.7920, 16.7440



116.2290, 6.7850, 3.6890



61.2990, 99.1620, 53.1300

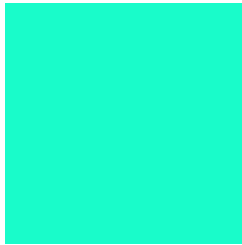


19.8350, 31.8620, 17.2860



# Previews

## White Background



This preview shows how the YIQ color 178.4270, -119.2420, -63.6740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

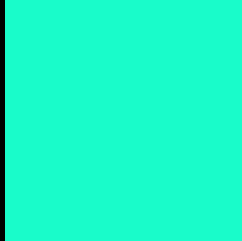
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 178.4270, -119.2420, -63.6740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

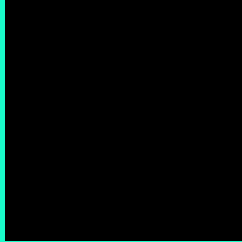
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

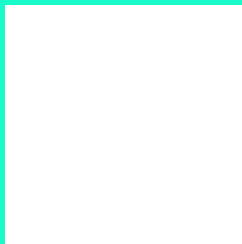
Any Text WCAG AAA ✓ Pass

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

# YIQ 178.4270, -119.2420, -63.6740 Background



This preview shows how black text looks on a background with the YIQ color 178.4270, -119.2420, -63.6740.



This preview shows how white text looks on a background with the YIQ color 178.4270, -119.2420, -63.6740.

-63.6740.

# Color Blindness Simulation

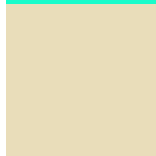
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



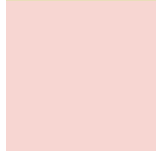
### Original Color

178.4270, -119.2420, -63.6740



### Protanopia

220.5980, 18.3870, -8.3410



### Deuteranopia

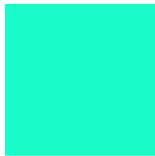
223.4110, 20.9520, 5.7520



## Tritanopia

207.6350, -71.2920, -18.5560

# Trichromacy



## Original Color

178.4270, -119.2420, -63.6740



## Protanomaly

205.0150, -31.8600, -28.3400



## Deuteranomaly

207.0680, -30.2110, -19.6750



## Tritanomaly

197.0420, -89.2160, -35.1360

# Monochromacy



## Original Color

178.4270, -119.2420, -63.6740



## Achromatopsia

178.0000, -0.0000, -0.0000



## Achromatomaly

178.1310, -43.6900, -23.1940

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 178.4270, -119.2420, -63.6740 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(25, 252, 202)` looks like.

```
.text, #text, p{  
    color:rgb(25, 252, 202)  
}
```

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(25, 252, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 252, 202) }
```

## Border

The CSS property to change the border of an element to YIQ 178.4270, -119.2420, -63.6740 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(25, 252, 202) }
```



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

```
.border{ border-color:rgb(25, 252, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 252, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 252, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 252, 202);  
box-shadow:4px 4px 4px 4px rgb(25, 252,  
202) }
```

# Background

The CSS property to change the background color of an element to YIQ 178.4270, -119.2420, -63.6740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 252, 202) }
```

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

```
.background{ background-color: rgb(25, 252,  
202) }
```

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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