

# Converting Colors

YIQ(183.7790, -71.1570,  
-4.4770)

Have a look what the booklet for  
YIQ(183.7790, -71.1570, -4.4770)  
contains.

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# Color

**YIQ(183.7790, -71.1570,  
-4.4770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71CEFF
RGB	113, 206, 255
RGB Percent	44%, 81%, 100%
CMY	0.5570, 0.1920, 0.0003
CMYK	0.56, 0.19, 0.00, 0.00
HSL	201°, 100%, 72%
HSV	201°, 56%, 100%
XYZ	46.9214, 54.8837, 102.6594
YIQ	183.7790, -71.1570, -4.4770

# Conversions

## Conversions Part 2

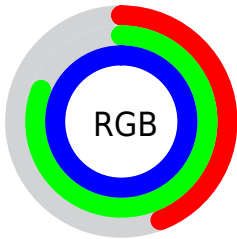
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	113, 169, 255
Decimal	7458559
CIE Lab	78.97, -14.20, -32.37
CIE LCh	79, 35.346, 246.304
Yxy	54.8837, 0.2295, 0.2684
Android (android.graphics.Color)	4285648639 (0xFF71CEFF)
YUV	183.7790, 35.1120, -62.0732
Hunter-Lab	74.0836, -16.5919, -30.3011

# Details

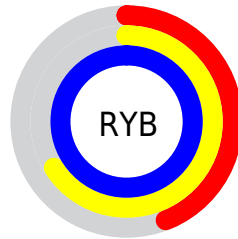
The YIQ color **183.7790, -71.1570, -4.4770** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **184.2210, 71.1570, 4.4770**, and the grayscale version is **183.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **230.4820, -48.8720, -17.3840**, and **124.9520, -79.1340, -8.5900** is the 20% darker color. If you saturate the color by 10%, you get **170.7220, -84.1780, -5.2820**, and if you desaturate by 10%, it is **196.5370, -58.7320, -3.8840**.

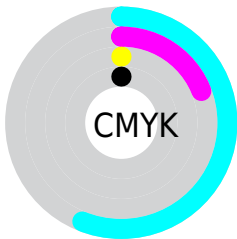
# Distribution



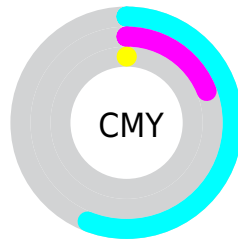
- Red (44%)
- Green (81%)
- Blue (100%)



- Red (44%)
- Yellow (66%)
- Blue (100%)



- Cyan (56%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 183.7790, -71.1570, -4.4770 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 183.7790, -71.1570, -4.4770 by changing the saturation by 10% instead.



■ 183.7790,  
-71.1570, -4.4770

■ 183.7790,  
-71.1570, -4.4770

■ 255.0000, -0.0000,  
-0.0000

■ 155.0560,  
-73.4950, -6.1590

■ 230.4820,  
-48.8720, -17.3840

■ 124.9520,  
-79.1340, -8.5900

■ 239.4520,  
-30.9920, -11.0240

■ 93.4560, -89.5410,  
-12.7170

■ 248.7210,  
-12.5160, -4.4520

■ 75.7030, -73.9990,  
-8.0390

■ 58.6510, -59.0530,  
-3.5730

■ 42.3000, -44.7030,  
0.6810

■ 27.2370, -31.2240,

4.2000

■ 7.7060, -16.1870,  
12.5250

■ 3.4370, -8.3000,  
7.2520

■ 183.7790,  
-71.1570, -4.4770

■ 183.7790,  
-71.1570, -4.4770

■ 170.7220,  
-84.1780, -5.2820

■ 196.5370,  
-58.7320, -3.8840

■ 157.9640,  
-96.6030, -5.8750

■ 209.5940,  
-45.7110, -3.0790

■ 145.4940,  
-109.8990, -7.2030

■ 221.7650,  
-33.0110, -1.9630

■ 132.7360,  
-122.3240, -7.7960

■ 234.8220,  
-19.9900, -1.1580

■ 127.0990,  
-127.7800, -8.0360

■ 247.5800, -7.5650,  
-0.5650

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



176.4210, -82.4330, -20.3930



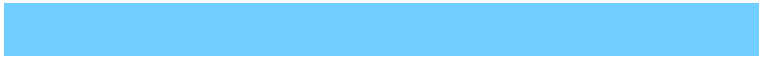
183.7790, -71.1570, -4.4770



192.5600, -39.2030, 11.1410

# Triad

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



183.7790, -71.1570, -4.4770



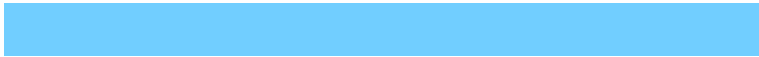
198.2820, 43.9650, 23.7170



189.1470, 2.9390, -25.7410

# Complementary

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



183.7790, -71.1570, -4.4770



184.2210, 71.1570, 4.4770

# 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.



192.9610, 30.1260, -17.3460



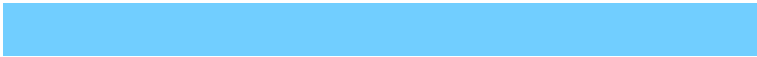
183.7790, -71.1570, -4.4770



196.9820, 53.1370, 11.6730

# Square

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



183.7790, -71.1570, -4.4770



200.8040, 25.1200, 29.3440



195.8590, 48.5090, -3.5790



183.9720, -30.3010, -29.0610



# Rectangle

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



183.7790, -71.1570, -4.4770



197.9050, -17.8850, 21.2750



195.8590, 48.5090, -3.5790



190.2900, 12.8420, -23.4940

# Sweetspot

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



183.7790, -71.1570, -4.4770



233.3380, -21.5030, -1.2710



201.7120, -54.1370, -59.6490



114.9430, -13.0210, -0.8050



0.0000, 0.0000, 0.0000

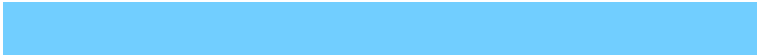


128.0000, -0.0000, -0.0000



# Same Dimension

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



183.7790, -71.1570, -4.4770



169.2380, -85.6910, -5.3950



143.2760, -52.1820, 31.6100



121.1780, -6.3730, -0.1410



95.1490, -95.6860, -5.9740



31.9500, -32.0940, -2.0620



# Inverse Universe

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



166.0600, 54.7790, 59.0270



147.8970, 65.9640, 71.0840



224.7240, 52.1820, -31.6100



119.7990, 5.1800, 5.2440



71.3590, 73.7110, 79.3670

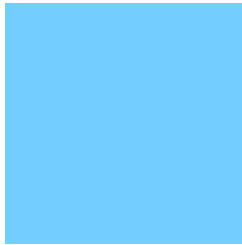


23.9240, 24.6620, 26.6300



# Previews

## White Background



This preview shows how the YIQ color 183.7790, -71.1570, -4.4770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

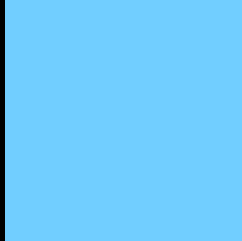
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 183.7790, -71.1570, -4.4770 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

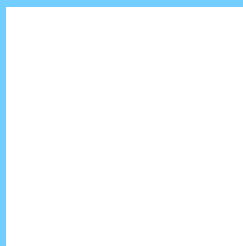
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 183.7790, -71.1570, -4.4770

## Background



This preview shows how black text looks on a background with the YIQ color 183.7790, -71.1570, -4.4770.



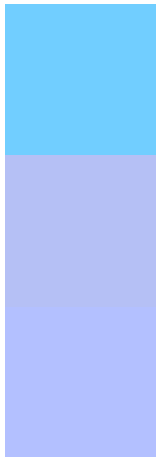
This preview shows how white text looks on a background with the YIQ color 183.7790, -71.1570, -4.4770.

-4.4770.

# 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

183.7790, -71.1570, -4.4770

### Protanopia

194.7530, -23.5690, 14.1510

### Deuteranopia

195.2950, -27.9710, 16.8370



## Tritanopia

180.3470, -70.4210, -17.8210

# Trichromacy



## Original Color

183.7790, -71.1570, -4.4770

## Protanomaly

190.6690, -41.1280, 7.4800

## Deuteranomaly

191.0540, -43.6500, 9.1340

## Tritanomaly

181.5090, -70.6970, -12.8170

# Monochromacy



## Original Color

183.7790, -71.1570, -4.4770

## Achromatopsia

184.0000, 0.0000, -0.0000

## Achromatomaly

183.8860, -26.0420, -1.6100

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 183.7790, -71.1570, -4.4770 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(113, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 206, 255)  
}
```

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(113, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 206, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 183.7790, -71.1570, -4.4770 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(113, 206, 255) }
```



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

```
.border{ border-color:rgb(113, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 206,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 183.7790, -71.1570, -4.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 206, 255) }
```

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

```
.background{ background-color: rgb(113,  
206, 255) }
```

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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