

# Converting Colors

YIQ(197.1400, -83.4400,  
-29.6800)

Have a look what the booklet for  
YIQ(197.1400, -83.4400, -29.6800)  
contains.

<b>YIQ(197.1400, -83.4400, -29.6800)</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(197.1400, -83.4400,  
-29.6800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63EFEF
RGB	99, 239, 239
RGB Percent	39%, 94%, 94%
CMY	0.6121, 0.0625, 0.0631
CMYK	0.59, 0.00, 0.00, 0.06
HSL	180°, 81%, 66%
HSV	180°, 59%, 94%
XYZ	51.5876, 70.6423, 92.5123
YIQ	197.1400, -83.4400, -29.6800

# Conversions

## Conversions Part 2

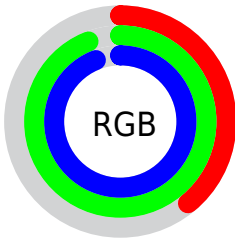
Format	Color
R <sub>Y</sub> B	99, 169, 239
Decimal	6549487
CIE Lab	87.31, -37.45, -11.31
CIE LCh	87, 39.120, 196.797
Yxy	70.6423, 0.2402, 0.3290
Android (android.graphics.Color)	4284739567 (0xFF63EFEF)
YUV	197.1400, 20.6370, -86.0688
Hunter-Lab	84.0490, -37.5261, -6.4259

# Details

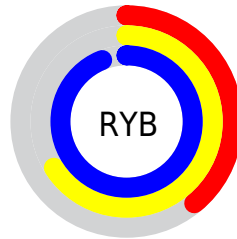
The YIQ color **197.1400, -83.4400, -29.6800** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **140.8600, 83.4400, 29.6800**, and the grayscale version is **197.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **227.1930, -55.4280, -19.7160**, and **127.6960, -108.7930, -38.2730** is the 20% darker color. If you saturate the color by 10%, you get **189.9640, -97.7440, -34.7680**, and if you desaturate by 10%, it is **204.3160, -69.1360, -24.5920**.

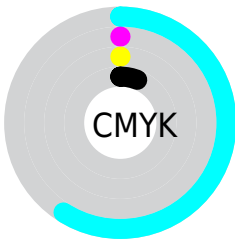
# Distribution



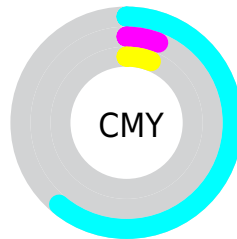
- Red (39%)
- Green (94%)
- Blue (94%)



- Red (39%)
- Yellow (66%)
- Blue (94%)



- Cyan (59%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



- Cyan (61%)
- Magenta (6%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 197.1400, -83.4400, -29.6800 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 197.1400, -83.4400, -29.6800 by changing the saturation by 10% instead.



197.1400,  
-83.4400, -29.6800

197.1400,  
-83.4400, -29.6800

255.0000, -0.0000,  
-0.0000

166.1610,  
-87.9330, -30.8530

227.1930,  
-55.4280, -19.7160

128.2830,  
-109.0680, -38.7960

236.4620,  
-36.9520, -13.1440

108.7690,  
-92.7010, -32.5490

245.7310,  
-18.4760, -6.5720

90.5430, -77.2050,  
-27.0370

72.4310, -62.0300,  
-21.2140

55.0200, -47.4510,  
-15.6030

38.3100, -33.4680,

-10.2040

■ 24.0620, -20.9060,  
-6.5860

■ 2.2970, -5.0900,  
4.1420

■ 197.1400,  
-83.4400, -29.6800

■ 197.1400,  
-83.4400, -29.6800

■ 189.9640,  
-97.7440, -34.7680

■ 204.3160,  
-69.1360, -24.5920

■ 182.7880,  
-112.0480, -39.8560

■ 211.4920,  
-54.8320, -19.5040

■ 175.6120,  
-126.3520, -44.9440

■ 218.6680,  
-40.5280, -14.4160

■ 168.4360,  
-140.6560, -50.0320

■ 225.8440,  
-26.2240, -9.3280

■ 167.5390,  
-142.4440, -50.6680

■ 232.7210,  
-12.5160, -4.4520

■ 239.8970, 1.7880,  
0.6360

■ 243.7840, 9.5360,  
3.3920

# Harmonies

## Analogous

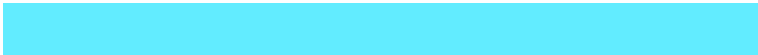
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



203.5830, -48.3190, -32.9190



197.1400, -83.4400, -29.6800



196.9040, -88.3470, -23.3470

# Triad

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



197.1400, -83.4400, -29.6800



222.0950, 10.9990, 26.4470



216.8600, 46.7680, -10.5760

# Complementary

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



197.1400, -83.4400, -29.6800



140.8600, 83.4400, 29.6800

# 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.



211.9820, 43.9690, 1.6090



197.1400, -83.4400, -29.6800



215.9670, 23.1030, 27.3510

# Square

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



197.1400, -83.4400, -29.6800



215.0750, -21.7800, 9.2600



211.0480, 35.5760, 16.0560



214.3360, 24.3960, -23.6360

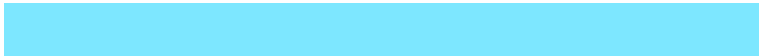


# Rectangle

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



197.1400, -83.4400, -29.6800



202.0420, -70.8800, -15.0080



211.0480, 35.5760, 16.0560



214.9680, 46.5840, -7.2400

# Sweetspot

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



197.1400, -83.4400, -29.6800



241.2460, -27.4160, -9.7520



181.7780, -37.3080, -72.7960



119.2150, -16.9630, -6.4590



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.



197.1400, -83.4400, -29.6800



201.7780, -106.0880, -37.7360



157.2240, -64.7400, 5.8840



116.4120, -7.1520, -2.5440



128.8700, -109.3430, -39.3190



39.2560, -33.3760, -11.8720



# Inverse Universe

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



140.8600, 83.4400, 29.6800



130.2220, 106.0880, 37.7360



180.7760, 64.7400, -5.8840



111.5880, 7.1520, 2.5440



55.0160, 109.6640, 39.0080

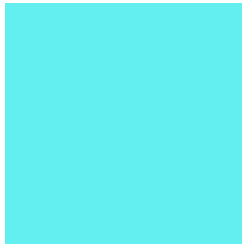


16.7440, 33.3760, 11.8720



# Previews

## White Background



This preview shows how the YIQ color 197.1400, -83.4400, -29.6800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

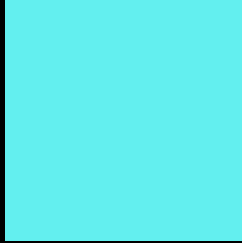
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 197.1400, -83.4400, -29.6800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

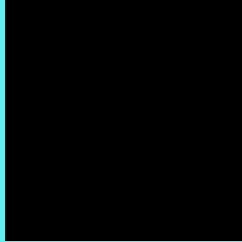
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

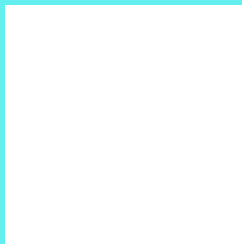
Any Text WCAG AAA ✓ Pass

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

# YIQ 197.1400, -83.4400, -29.6800 Background



This preview shows how black text looks on a background with the YIQ color 197.1400, -83.4400, -29.6800.



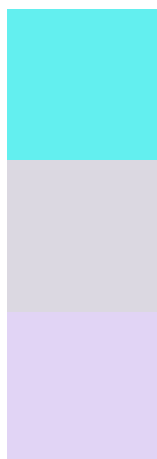
This preview shows how white text looks on a background with the YIQ color 197.1400, -83.4400, -29.6800.

-29.6800.

# 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

197.1400, -83.4400, -29.6800

### Protanopia

217.9230, -1.1010, 3.4350

### Deuteranopia

219.6490, -2.8450, 13.0190



## Tritanopia

200.1930, -81.7910, -21.0150

# Trichromacy



## Original Color

197.1400, -83.4400, -29.6800



## Protanomaly

210.0330, -31.1300, -8.5220



## Deuteranomaly

211.5370, -32.3690, -2.5850



## Tritanomaly

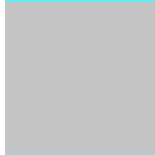
198.9000, -82.5240, -24.2520

# Monochromacy



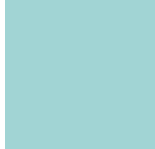
## Original Color

197.1400, -83.4400, -29.6800



## Achromatopsia

197.0000, -0.0000, -0.0000



## Achromatomaly

196.7510, -30.3960, -10.8120

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 197.1400, -83.4400, -29.6800 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(99, 239, 239)` looks like.

```
.text, #text, p{  
    color:rgb(99, 239, 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(99, 239, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 239, 239) }
```

## Border

The CSS property to change the border of an element to YIQ 197.1400, -83.4400, -29.6800 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(99, 239, 239) }
```



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

```
.border{ border-color:rgb(99, 239, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 239, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 239, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 239, 239);  
box-shadow:4px 4px 4px 4px rgb(99, 239,  
239) }
```

# Background

The CSS property to change the background color of an element to YIQ 197.1400, -83.4400, -29.6800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 239, 239) }
```

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

```
.background{ background-color: rgb(99, 239,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor