

# Converting Colors

YIQ(196.7280, -57.9520,  
-7.0080)

Have a look what the booklet for  
YIQ(196.7280, -57.9520, -7.0080)  
contains.

<b>YIQ(196.7280, -57.9520, -7.0080)</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(196.7280, -57.9520,  
-7.0080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89D9F9
RGB	137, 217, 249
RGB Percent	54%, 85%, 98%
CMY	0.4629, 0.1489, 0.0238
CMYK	0.45, 0.13, 0.00, 0.02
HSL	197°, 90%, 76%
HSV	197°, 45%, 98%
XYZ	52.2197, 61.7933, 98.7444
YIQ	196.7280, -57.9520, -7.0080

# Conversions

## Conversions Part 2

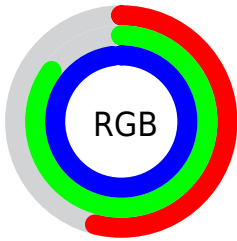
Format	Color
R <sub>Y</sub> B	137, 184, 249
Decimal	9034233
CIE Lab	82.80, -16.36, -23.24
CIE LCh	83, 28.421, 234.850
Yxy	61.7933, 0.2454, 0.2904
Android (android.graphics.Color)	4287224313 (0xFF89D9F9)
YUV	196.7280, 25.7701, -52.3815
Hunter-Lab	78.6087, -18.9878, -19.4511

# Details

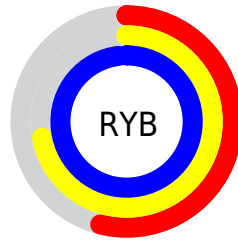
The YIQ color  $196.7280, -57.9520, -7.0080$  is a light color, and the websafe version is hex  $66CCFF$ . A complement of this color would be  $189.2720, 57.9520, 7.0080$ , and the grayscale version is  $197.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $237.0600, -35.7600, -12.7200$ , and  $140.6030, -59.0980, -8.2660$  is the 20% darker color. If you saturate the color by 10%, you get  $185.1440, -70.9270, -8.6470$ , and if you desaturate by 10%, it is  $208.3120, -44.9770, -5.3690$ .

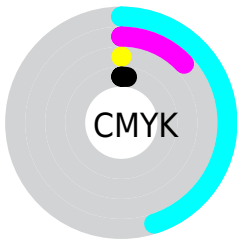
# Distribution



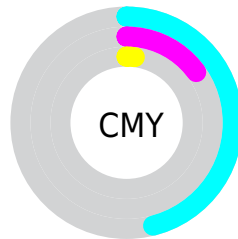
- Red (54%)
- Green (85%)
- Blue (98%)



- Red (54%)
- Yellow (72%)
- Blue (98%)



- Cyan (45%)
- Magenta (13%)
- Yellow (0%)
- Black (2%)



- Cyan (46%)
- Magenta (15%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 196.7280, -57.9520, -7.0080 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 196.7280, -57.9520, -7.0080 by changing the saturation by 10% instead.



■ 196.7280,  
-57.9520, -7.0080

■ 196.7280,  
-57.9520, -7.0080

■ 255.0000, -0.0000,  
-0.0000

■ 168.3150,  
-58.2270, -7.5310

■ 237.0600,  
-35.7600, -12.7200

■ 140.6030,  
-59.0980, -8.2660

■ 245.7310,  
-18.4760, -6.5720

■ 112.3960,  
-62.9490, -10.0610

■ 254.7010, -0.5960,  
-0.2120

■ 80.4160, -74.8690,  
-14.3010

■ 63.3640, -59.9230,  
-9.8350

■ 47.1270, -45.8940,  
-5.2700

■ 30.8900, -31.8650,

-0.7050

■ 16.6420, -19.3030,  
2.9130

■ 3.0950, -7.3370,  
6.3190

■ 196.7280,  
-57.9520, -7.0080

■ 196.7280,  
-57.9520, -7.0080

■ 185.1440,  
-70.9270, -8.6470

■ 208.3120,  
-44.9770, -5.3690

■ 173.5600,  
-83.9020, -10.2860

■ 219.8960,  
-32.0020, -3.7300

■ 161.9760,  
-96.8770, -11.9250

■ 231.4800,  
-19.0270, -2.0910

■ 150.3920,  
-109.8520, -13.5640

■ 243.0640, -6.0520,  
-0.4520

■ 138.8080,  
-122.8270, -15.2030

■ 252.5550, 2.7510,  
-0.2970

■ 132.8720,  
-128.8790, -15.6550

■ 254.3160, 1.9260,  
-1.8660

# Harmonies

## Analogous

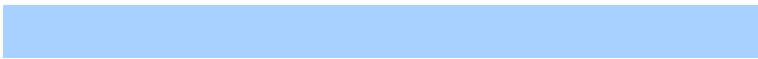
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



193.9910, -57.6750, -17.5390



196.7280, -57.9520, -7.0080



202.2730, -40.0730, 4.8790

# Triad

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



196.7280, -57.9520, -7.0080



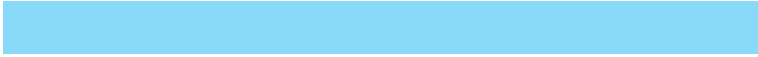
210.1820, 32.5030, 22.1910



202.1530, 11.9700, -18.7020

# Complementary

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



196.7280, -57.9520, -7.0080



189.2720, 57.9520, 7.0080

# 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.



205.3730, 32.1420, -9.8260



196.7280, -57.9520, -7.0080



207.6910, 40.8950, 13.2710

# Square

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



196.7280, -57.9520, -7.0080



210.2860, 11.7790, 23.3230



207.5090, 43.9230, 2.4430



199.3440, -13.6130, -23.1250



# Rectangle

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



196.7280, -57.9520, -7.0080



206.2260, -23.5230, 13.3170



207.5090, 43.9230, 2.4430



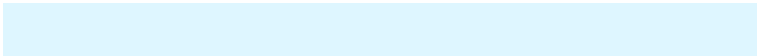
203.6270, 19.4430, -16.4690

# Sweetspot

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



196.7280, -57.9520, -7.0080



239.8500, -17.1930, -2.2890



206.3920, -41.0720, -48.6240



118.1990, -10.8660, -1.3140



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

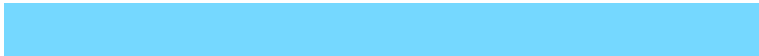


# Same Dimension

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



196.7280, -57.9520, -7.0080



190.8450, -71.5230, -8.8590



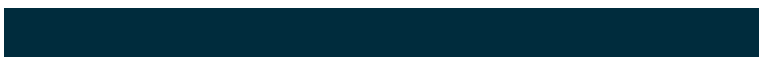
163.8560, -42.5520, 22.2800



118.7650, -6.6480, -0.6640



100.7910, -97.7940, -11.8260



32.7820, -31.6810, -4.0410



# Inverse Universe

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



179.6080, 41.0720, 48.6240



169.5480, 50.4690, 60.0450



222.1440, 42.5520, -22.2800



116.9130, 4.8590, 5.5550



71.9010, 69.3090, 82.0530

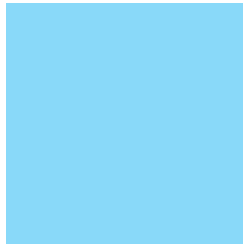


23.2550, 22.2320, 26.6160



# Previews

## White Background



This preview shows how the YIQ color 196.7280, -57.9520, -7.0080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

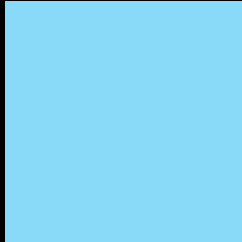
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 196.7280, -57.9520, -7.0080 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 196.7280, -57.9520, -7.0080

## Background



This preview shows how black text looks on a background with the YIQ color 196.7280, -57.9520, -7.0080.



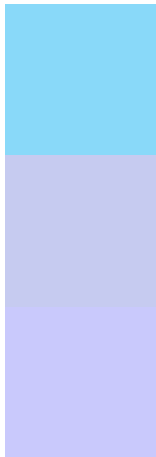
This preview shows how white text looks on a background with the YIQ color 196.7280, -57.9520, -7.0080.

-7.0080.

# 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

196.7280, -57.9520, -7.0080

### Protanopia

205.7230, -14.8570, 10.4470

### Deuteranopia

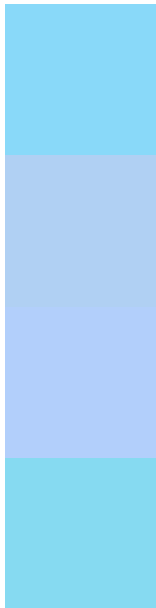
206.8140, -16.3710, 15.8610



## Tritanopia

195.3380, -57.0340, -12.6340

# Trichromacy



**Original Color**

196.7280, -57.9520, -7.0080

**Protanomaly**

202.4220, -30.3070, 4.1010

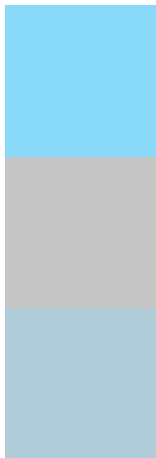
**Deuteranomaly**

203.3450, -31.4080, 7.5360

**Tritanomaly**

195.5060, -57.4470, -10.6550

# Monochromacy



**Original Color**

196.7280, -57.9520, -7.0080

**Achromatopsia**

197.0000, -0.0000, -0.0000

**Achromatomaly**

196.6970, -21.1360, -2.4160

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 196.7280, -57.9520, -7.0080 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(137, 217, 249)` looks like.

```
.text, #text, p{  
    color:rgb(137, 217, 249)  
}
```

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(137, 217, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 217, 249) }
```

## Border

The CSS property to change the border of an element to YIQ 196.7280, -57.9520, -7.0080 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(137, 217, 249) }
```



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

```
.border{ border-color:rgb(137, 217, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 217, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 217, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 217, 249);  
box-shadow:4px 4px 4px 4px rgb(137, 217,  
249) }
```

# Background

The CSS property to change the background color of an element to YIQ 196.7280, -57.9520, -7.0080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 217, 249) }
```

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

```
.background{ background-color: rgb(137,  
217, 249) }
```

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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