

# Converting Colors

YIQ(98.2860, -51.2560,  
-18.2320)

Have a look what the booklet for  
YIQ(98.2860, -51.2560, -18.2320)  
contains.

<b>YIQ(98.2860, -51.2560, -18.2320)</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(98.2860, -51.2560,  
-18.2320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	267C7C
RGB	38, 124, 124
RGB Percent	15%, 49%, 49%
CMY	0.8512, 0.5136, 0.5139
CMYK	0.69, 0.00, 0.00, 0.51
HSL	180°, 53%, 32%
HSV	180°, 69%, 49%
XYZ	11.6444, 16.2894, 21.5820
YIQ	98.2860, -51.2560, -18.2320

# Conversions

## Conversions Part 2

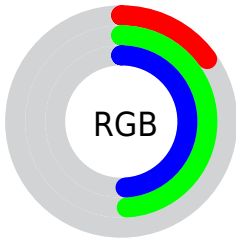
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	38, 81, 124
Decimal	2522236
CIE Lab	47.35, -24.74, -7.38
CIE LCh	47, 25.817, 196.620
Yxy	16.2894, 0.2352, 0.3290
Android (android.graphics.Color)	4280712316 (0xFF267C7C)
YUV	98.2860, 12.6770, -52.8708
Hunter-Lab	40.3601, -19.1306, -3.4525

# Details

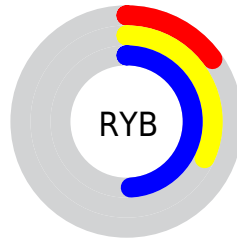
The YIQ color **98.2860, -51.2560, -18.2320** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **63.7140, 51.2560, 18.2320**, and the grayscale version is **98.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **152.9660, -47.3590, -17.2710**, and **52.5750, -44.7000, -15.9000** is the 20% darker color. If you saturate the color by 10%, you get **94.6980, -58.4080, -20.7760**, and if you desaturate by 10%, it is **101.8740, -44.1040, -15.6880**.

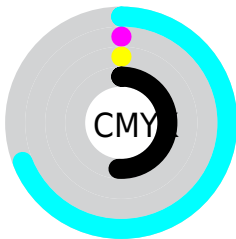
# Distribution



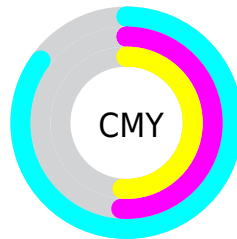
- Red (15%)
- Green (49%)
- Blue (49%)



- Red (15%)
- Yellow (32%)
- Blue (49%)



- Cyan (69%)
- Magenta (0%)
- Yellow (0%)
- Black (51%)



- Cyan (85%)
- Magenta (51%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 98.2860, -51.2560, -18.2320 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 98.2860, -51.2560, -18.2320 by changing the saturation by 10% instead.



■ 98.2860, -51.2560,  
-18.2320

■ 98.2860, -51.2560,  
-18.2320

■ 255.0000, -0.0000,  
-0.0000

■ 69.3990, -59.0040,  
-20.9880

■ 152.6670,  
-47.9550, -17.4830

■ 52.5750, -44.7000,  
-15.9000

■ 180.6670,  
-47.9550, -17.4830

■ 35.9790, -31.0380,  
-10.1900

■ 208.6670,  
-47.9550, -17.4830

■ 22.3180, -18.7510,  
-7.0950

■ 232.5750,  
-44.7000, -15.9000

■ 0.7980, -2.2470,  
2.1770

■ 241.2460,  
-27.4160, -9.7520

■ 0.0000, 0.0000,  
0.0000

■ 249.9170,

-10.1320, -3.6040

■ 98.2860, -51.2560,  
-18.2320

■ 98.2860, -51.2560,  
-18.2320

■ 94.6980, -58.4080,  
-20.7760

■ 101.8740,  
-44.1040, -15.6880

■ 90.8110, -66.1560,  
-23.5320

■ 105.7610,  
-36.3560, -12.9320

■ 87.2230, -73.3080,  
-26.0760

■ 109.3490,  
-29.2040, -10.3880

■ 86.9240, -73.9040,  
-26.2880

■ 113.2360,  
-21.4560, -7.6320

■ 116.8240,  
-14.3040, -5.0880

■ 120.4120, -7.1520,  
-2.5440

■ 124.2990, 0.5960,  
0.2120

■ 127.8870, 7.7480,  
2.7560

■ 131.7740, 15.4960,  
5.5120

# Harmonies

## Analogous

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



102.9650, -28.4230, -19.0390



98.2860, -51.2560, -18.2320



98.6800, -57.9970, -11.7010

# Triad

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



98.2860, -51.2560, -18.2320



114.9320, 3.8480, 18.3760



112.0400, 28.8860, -5.8820

# Complementary

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



98.2860, -51.2560, -18.2320



63.7140, 51.2560, 18.2320

# 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.



112.8980, 35.5780, 5.0020



98.2860, -51.2560, -18.2320



115.5120, 22.6460, 19.1100

# Square

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



98.2860, -51.2560, -18.2320



112.3250, -19.4880, 11.7760



114.2110, 33.5590, 14.0630



109.8700, 14.4450, -13.9950



# Rectangle

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



98.2860, -51.2560, -18.2320



103.6260, -48.7370, -3.3050



114.2110, 33.5590, 14.0630



112.1160, 31.7280, -2.3200

# Sweetspot

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



98.2860, -51.2560, -18.2320



150.8340, -20.2640, -7.2080



88.7810, -23.0540, -44.7660



75.7210, -12.5160, -4.4520



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

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



98.2860, -51.2560, -18.2320



120.9340, -79.8640, -28.4080



73.6320, -39.7060, 3.7340



59.2060, -3.5760, -1.2720



87.6250, -74.5000, -26.5000



176.6520, -150.1920, -53.4240



# Inverse Universe

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



63.7140, 51.2560, 18.2320



67.0660, 79.8640, 28.4080



88.3680, 39.7060, -3.7340



56.7940, 3.5760, 1.2720



37.3750, 74.5000, 26.5000



75.3480, 150.1920, 53.4240



# Previews

## White Background



This preview shows how the YIQ color 98.2860, -51.2560, -18.2320 looks on a white 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 × Fail



# Black Background



This preview shows how the YIQ color 98.2860, -51.2560, -18.2320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

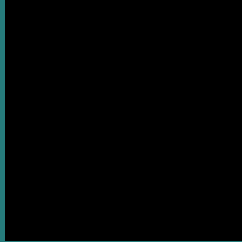
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 98.2860, -51.2560, -18.2320

## Background



This preview shows how black text looks on a background with the YIQ color 98.2860, -51.2560, -18.2320.



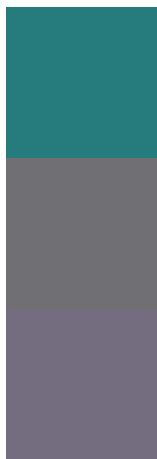
This preview shows how white text looks on a background with the YIQ color 98.2860, -51.2560,

-18.2320.

# 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

98.2860, -51.2560, -18.2320

### Protanopia

111.8690, -1.0090, 1.7670

### Deuteranopia

112.8460, -2.2020, 6.8700



## Tritanopia

100.2200, -50.8900, -13.8500

# Trichromacy



## Original Color

98.2860, -51.2560, -18.2320

## Protanomaly

107.0730, -19.4390, -5.6390

## Deuteranomaly

107.2950, -19.9440, -1.9920

## Tritanomaly

99.2800, -51.1190, -15.2070

# Monochromacy



## Original Color

98.2860, -51.2560, -18.2320

## Achromatopsia

98.0000, -0.0000, -0.0000

## Achromatomaly

97.7310, -18.4760, -6.5720

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 98.2860, -51.2560, -18.2320 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(38, 124, 124)` looks like.

```
.text, #text, p{  
    color:rgb(38, 124, 124)  
}
```

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(38, 124, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 124, 124) }
```

## Border

The CSS property to change the border of an element to YIQ 98.2860, -51.2560, -18.2320 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(38, 124, 124) }
```



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

```
.border{ border-color:rgb(38, 124, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 124, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 124, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 124, 124);  
box-shadow:4px 4px 4px 4px rgb(38, 124,  
124) }
```

# Background

The CSS property to change the background color of an element to YIQ 98.2860, -51.2560, -18.2320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 124, 124) }
```

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

```
.background{ background-color: rgb(38, 124,  
124) }
```

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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