

# Converting Colors

YIQ(101.5980, -51.5340,  
-2.1740)

Have a look what the booklet for  
YIQ(101.5980, -51.5340, -2.1740)  
contains.

<b>YIQ(101.5980, -51.5340, -2.1740)</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(101.5980, -51.5340,  
-2.1740)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	33759B
RGB	51, 117, 155
RGB Percent	20%, 46%, 61%
CMY	0.8001, 0.5411, 0.3924
CMYK	0.67, 0.24, 0.00, 0.39
HSL	202°, 50%, 40%
HSV	202°, 67%, 61%
XYZ	13.6394, 15.7965, 33.3142
YIQ	101.5980, -51.5340, -2.1740

# Conversions

## Conversions Part 2

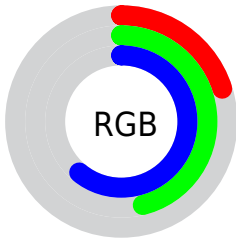
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 91, 155
Decimal	3372443
CIE <sub>Lab</sub>	46.71, -8.51, -26.65
CIE <sub>LCh</sub>	47, 27.980, 252.284
Yxy	15.7965, 0.2174, 0.2517
Android (android.graphics.Color)	4281562523 (0xFF33759B)
YUV	101.5980, 26.3272, -44.3744
Hunter-Lab	39.7449, -8.2968, -21.8756

# Details

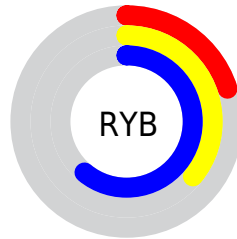
The YIQ color **101.5980, -51.5340, -2.1740** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **104.4020, 51.5340, 2.1740**, and the grayscale version is **101.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **155.7340, -48.9210, 0.0310**, and **52.3590, -52.3590, -3.7430** is the 20% darker color. If you saturate the color by 10%, you get **93.2920, -59.4200, -2.4280**, and if you desaturate by 10%, it is **109.6050, -44.2440, -2.1320**.

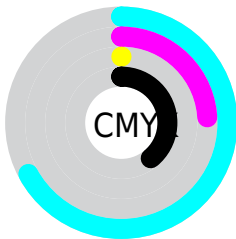
# Distribution



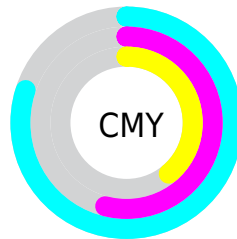
- Red (20%)
- Green (46%)
- Blue (61%)



- Red (20%)
- Yellow (36%)
- Blue (61%)



- Cyan (67%)
- Magenta (24%)
- Yellow (0%)
- Black (39%)



- Cyan (80%)
- Magenta (54%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 101.5980, -51.5340, -2.1740 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 101.5980, -51.5340, -2.1740 by changing the saturation by 10% instead.



■ 101.5980,  
-51.5340, -2.1740

■ 101.5980,  
-51.5340, -2.1740

■ 255.0000, -0.0000,  
-0.0000

■ 71.9990, -60.1530,  
-5.6650

■ 155.7340,  
-48.9210, 0.0310

■ 52.3590, -52.3590,  
-3.7430

■ 183.1470,  
-48.6460, 0.5540

■ 36.5950, -38.2840,  
-0.0120

■ 209.8930,  
-45.1150, -2.8670

■ 22.2330, -25.4010,  
3.2950

■ 235.5870,  
-35.8060, -11.8860

■ 5.1640, -11.7850,  
9.8390

■ 245.4320,  
-19.0720, -6.7840

■ 1.0260, -2.8890,  
2.7990

■ 254.1030, -1.7880,

■ 0.0000, 0.0000,

-0.6360

0.0000

■ 101.5980,  
-51.5340, -2.1740

■ 101.5980,  
-51.5340, -2.1740

■ 93.2920, -59.4200,  
-2.4280

■ 109.6050,  
-44.2440, -2.1320

■ 85.8720, -66.9850,  
-2.9930

■ 117.3240,  
-36.0830, -1.3550

■ 77.5660, -74.8710,  
-3.2470

■ 125.3310,  
-28.7930, -1.3130

■ 75.1960, -76.7050,  
-3.0490

■ 133.6370,  
-20.9070, -1.0590

■ 141.0570,  
-13.3420, -0.4940

■ 149.3630, -5.4560,  
-0.2400

■ 157.3700, 1.8340,  
-0.1980

■ 165.0890, 9.9950,  
0.5790

■ 173.0960, 17.2850,  
0.6210

# Harmonies

## Analogous

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



89.2970, -76.1520, -18.5840



101.5980, -51.5340, -2.1740



109.8620, -25.4940, 10.4900

# Triad

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



101.5980, -51.5340, -2.1740



112.2760, 34.9340, 16.6780



105.6120, -2.5640, -19.6200

# Complementary

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



101.5980, -51.5340, -2.1740



104.4020, 51.5340, 2.1740

# 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.



108.0230, 18.3880, -13.8680



101.5980, -51.5340, -2.1740



111.5070, 38.2370, 6.3730

# Square

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



101.5980, -51.5340, -2.1740



113.7940, 21.9120, 21.4000



109.8340, 32.4620, -4.6100



100.7970, -28.0100, -21.0180



# Rectangle

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



101.5980, -51.5340, -2.1740



112.8320, -7.6140, 16.8500



109.8340, 32.4620, -4.6100



106.5590, 4.9550, -18.2210

# Sweetspot

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



101.5980, -51.5340, -2.1740



180.8220, -19.9900, -1.1580



116.1520, -40.1560, -43.1960



89.5410, -11.8290, -0.3810



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



101.5980, -51.5340, -2.1740



117.6300, -80.9230, -3.6990



72.2480, -37.7840, 23.9760



72.8470, -3.9430, -0.1270



68.2030, -69.4150, -3.0070



6.1780, -6.3730, -0.1410



# Inverse Universe

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



89.6200, 40.7980, 42.5740



98.5930, 63.7640, 66.9000



133.7520, 37.7840, -23.9760



71.9620, 3.1630, 3.2510



52.0060, 54.8710, 57.3590



4.7990, 5.1800, 5.2440



# Previews

## White Background



This preview shows how the YIQ color 101.5980, -51.5340, -2.1740 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 101.5980, -51.5340, -2.1740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

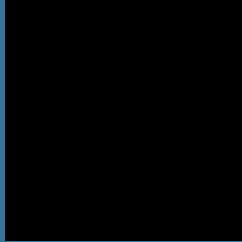
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 101.5980, -51.5340, -2.1740

## Background



This preview shows how black text looks on a background with the YIQ color 101.5980, -51.5340, -2.1740.



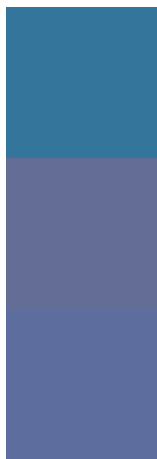
This preview shows how white text looks on a background with the YIQ color 101.5980, -51.5340,

-2.1740.

# 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

101.5980, -51.5340, -2.1740

### Protanopia

110.5700, -18.8000, 10.3200

### Deuteranopia

109.6880, -24.9440, 11.5360



## Tritanopia

97.0240, -53.2740, -14.6980

# Trichromacy



## Original Color

101.5980, -51.5340, -2.1740

## Protanomaly

107.4760, -30.3990, 5.7690

## Deuteranomaly

106.8500, -34.3880, 6.4760

## Tritanomaly

98.9580, -52.9080, -10.3160

# Monochromacy



## Original Color

101.5980, -51.5340, -2.1740

## Achromatopsia

102.0000, -0.0000, -0.0000

## Achromatomaly

101.4200, -18.7980, -0.7340

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 101.5980, -51.5340, -2.1740 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(51, 117, 155)` looks like.

```
.text, #text, p{  
    color:rgb(51, 117, 155)  
}
```

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(51, 117, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 117, 155) }
```

## Border

The CSS property to change the border of an element to YIQ 101.5980, -51.5340, -2.1740 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(51, 117, 155) }
```



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

```
.border{ border-color:rgb(51, 117, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 117, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 117, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 117, 155);  
box-shadow:4px 4px 4px 4px rgb(51, 117,  
155) }
```

# Background

The CSS property to change the background color of an element to YIQ 101.5980, -51.5340, -2.1740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 117, 155) }
```

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

```
.background{ background-color: rgb(51, 117,  
155) }
```

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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