

# Converting Colors

YIQ(80.5500, -51.5790, -6.8670)

Have a look what the booklet for  
YIQ(80.5500, -51.5790, -6.8670)  
contains.

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# Color

**YIQ(80.5500, -51.5790,  
-6.8670)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1B637E
RGB	27, 99, 126
RGB Percent	11%, 39%, 49%
CMY	0.8942, 0.6116, 0.5061
CMYK	0.79, 0.21, 0.00, 0.51
HSL	196°, 65%, 30%
HSV	196°, 79%, 49%
XYZ	8.6779, 10.6668, 21.3207
YIQ	80.5500, -51.5790, -6.8670

# Conversions

## Conversions Part 2

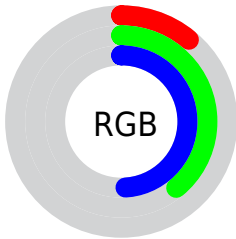
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 69, 126
Decimal	1794942
CIE <sub>Lab</sub>	39.01, -11.98, -21.29
CIE <sub>LCh</sub>	39, 24.429, 240.626
Yxy	10.6668, 0.2134, 0.2623
Android (android.graphics.Color)	4279985022 (0xFF1B637E)
<b>YUV</b>	80.5500, 22.4068, -46.9634
Hunter-Lab	32.6600, -9.7272, -15.8430




# Details

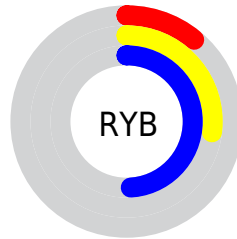
The YIQ color **80.5500, -51.5790, -6.8670** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **72.4500, 51.5790, 6.8670**, and the grayscale version is **80.0000, 0.0000, -0.0000**.




A 20% lighter version of the original color is **134.4690, -46.8570, -4.3370**, and **39.3020, -39.0170, -3.2490** is the 20% darker color. If you saturate the color by 10%, you get **74.9020, -58.5020, -8.0540**, and if you desaturate by 10%, it is **86.1980, -44.6560, -5.6800**.

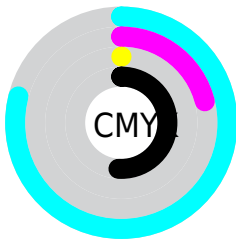
# Distribution







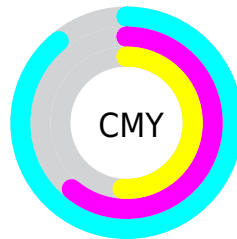
-  Red (11%)
-  Green (39%)
-  Blue (49%)






-  Red (11%)
-  Yellow (27%)
-  Blue (49%)



-  Cyan (79%)
-  Magenta (21%)
-  Yellow (0%)
-  Black (51%)



-  Cyan (89%)
-  Magenta (61%)
-  Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 80.5500, -51.5790, -6.8670 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 80.5500, -51.5790, -6.8670 by changing the saturation by 10% instead.



80.5500, -51.5790,  
-6.8670

80.5500, -51.5790,  
-6.8670

255.0000, -0.0000,  
-0.0000

55.5390, -53.0460,  
-7.8140

134.4690,  
-46.8570, -4.3370

39.3020, -39.0170,  
-3.2490

161.7680,  
-46.2610, -4.1250

24.3530, -25.8590,  
0.5810

189.2950,  
-46.3070, -3.2910

4.9360, -11.1430,  
9.2170

216.3830,  
-43.7390, -5.7790

0.6840, -1.9260,  
1.8660

238.2560,  
-33.3760, -11.8720

0.0000, 0.0000,  
0.0000

246.9270,

-16.0920, -5.7240

■ 80.5500, -51.5790,  
-6.8670

■ 80.5500, -51.5790,  
-6.8670

■ 74.9020, -58.5020,  
-8.0540

■ 86.1980, -44.6560,  
-5.6800

■ 68.9660, -64.5540,  
-8.5060

■ 92.1340, -38.6040,  
-5.2280

■ 68.3680, -65.7460,  
-8.9300

■ 97.7820, -31.6810,  
-4.0410

■ 103.7180,  
-25.6290, -3.5890

■ 109.3660,  
-18.7060, -2.4020

■ 115.6010,  
-12.0580, -1.7380

■ 120.9500, -5.7310,  
-0.7630

■ 126.5980, 1.1920,  
0.4240

■ 132.5340, 7.2440,  
0.8760

# Harmonies

## Analogous

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



73.4250, -61.8930, -18.1890



80.5500, -51.5790, -6.8670



89.2480, -29.7570, 5.1470

# Triad

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



80.5500, -51.5790, -6.8670



93.6710, 26.4520, 16.2120



88.5530, 5.0920, -15.1960

# Complementary

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



80.5500, -51.5790, -6.8670



72.4500, 51.5790, 6.8670

# 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.



90.4410, 20.2670, -9.3730



80.5500, -51.5790, -6.8670



92.9780, 32.5970, 9.4690

# Square

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



80.5500, -51.5790, -6.8670



94.7110, 11.7800, 17.7960



92.0990, 30.3980, -0.2420



85.4350, -15.1270, -17.7110



# Rectangle

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



80.5500, -51.5790, -6.8670



92.3640, -15.2240, 11.5920



92.0990, 30.3980, -0.2420



89.1300, 10.7770, -13.5990

# Sweetspot

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



80.5500, -51.5790, -6.8670



145.4690, -20.4940, -3.0380



88.0770, -35.5710, -43.6910



70.7150, -12.3790, -1.4270



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.



80.5500, -51.5790, -6.8670



92.5990, -79.6380, -10.4700



51.7870, -38.1040, 18.7600



60.7330, -3.6220, -0.4380



69.1830, -66.6630, -8.8310



0.0000, 0.0000, 0.0000



# Inverse Universe

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



64.8090, 35.8920, 43.3800



68.4010, 55.5570, 66.9570



101.2130, 38.1040, -18.7600



59.6630, 2.5670, 3.0390



48.8740, 46.4350, 56.0590



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 80.5500, -51.5790, -6.8670 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 80.5500, -51.5790, -6.8670 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

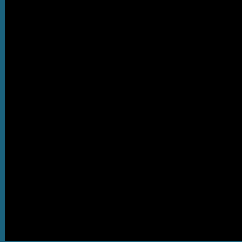
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 80.5500, -51.5790, -6.8670

## Background



This preview shows how black text looks on a background with the YIQ color 80.5500, -51.5790, -6.8670.



This preview shows how white text looks on a background with the YIQ color 80.5500, -51.5790,

-6.8670.

# 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

80.5500, -51.5790, -6.8670

### Protanopia

91.5120, -12.8850, 7.7470

### Deuteranopia

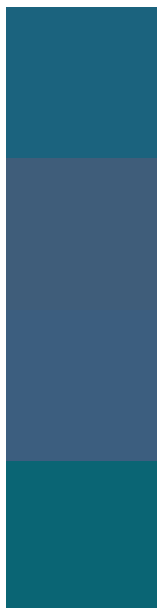
91.6300, -19.0290, 8.9630



## Tritanopia

72.4140, -63.3600, -19.1360

# Trichromacy



## Original Color

80.5500, -51.5790, -6.8670

## Protanomaly

87.3360, -27.1890, 2.6590

## Deuteranomaly

87.5960, -30.8570, 3.0550

## Tritanomaly

75.5010, -59.0510, -14.6270

# Monochromacy



## Original Color

80.5500, -51.5790, -6.8670

## Achromatopsia

81.0000, -0.0000, 0.0000

## Achromatomaly

80.9530, -18.9810, -2.9250

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 80.5500, -51.5790, -6.8670 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(27, 99, 126)` looks like.

```
.text, #text, p{  
    color:rgb(27, 99, 126)  
}
```

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(27, 99, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 99, 126) }
```

## Border

The CSS property to change the border of an element to YIQ 80.5500, -51.5790, -6.8670 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(27, 99, 126) }
```



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

```
.border{ border-color:rgb(27, 99, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 99, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 99, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 99, 126);  
box-shadow:4px 4px 4px 4px rgb(27, 99,  
126) }
```

# Background

The CSS property to change the background color of an element to YIQ 80.5500, -51.5790, -6.8670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 99, 126) }
```

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

```
.background{ background-color: rgb(27, 99,  
126) }
```

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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