

# Converting Colors

YIQ(96.7990, -47.5460, 2.6460)

Have a look what the booklet for  
YIQ(96.7990, -47.5460, 2.6460)  
contains.

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# Color

**YIQ(96.7990, -47.5460,  
2.6460)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	356C9A
RGB	53, 108, 154
RGB Percent	21%, 42%, 60%
CMY	0.7922, 0.5764, 0.3963
CMYK	0.66, 0.30, 0.00, 0.40
HSL	207°, 49%, 41%
HSV	207°, 66%, 60%
XYZ	12.6598, 13.8174, 32.5467
YIQ	96.7990, -47.5460, 2.6460

# Conversions

## Conversions Part 2

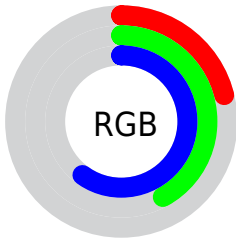
<b>Format</b>	<b>Color</b>
<b>RYB</b>	53, 89, 154
Decimal	3501210
CIELab	43.97, -3.14, -30.33
CIElCh	44, 30.491, 264.084
Yxy	13.8174, 0.2145, 0.2341
Android (android.graphics.Color)	4281691290 (0xFF356C9A)
YUV	96.7990, 28.2001, -38.4117
Hunter-Lab	37.1718, -4.2577, -25.8926

# Details

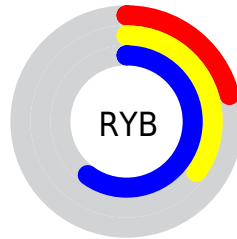
The YIQ color **96.7990, -47.5460, 2.6460** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **110.2010, 47.5460, -2.6460**, and the grayscale version is **97.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **150.0490, -45.2540, 5.1620**, and **47.5490, -49.8380, 0.1300** is the 20% darker color. If you saturate the color by 10%, you get **88.2050, -54.5610, 3.1270**, and if you desaturate by 10%, it is **105.3930, -40.5310, 2.1650**.

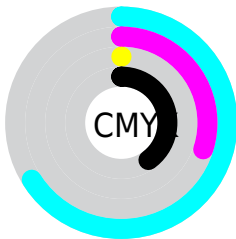
# Distribution



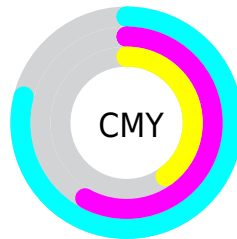
- Red (21%)
- Green (42%)
- Blue (60%)



- Red (21%)
- Yellow (35%)
- Blue (60%)



- Cyan (66%)
- Magenta (30%)
- Yellow (0%)
- Black (40%)



- Cyan (79%)
- Magenta (58%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 96.7990, -47.5460, 2.6460 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 96.7990, -47.5460, 2.6460 by changing the saturation by 10% instead.



■ 96.7990, -47.5460,  
2.6460

■ 96.7990, -47.5460,  
2.6460

■ 255.0000, -0.0000,  
-0.0000

■ 68.9830, -54.0560,  
-0.5200

■ 150.0490,  
-45.2540, 5.1620

■ 47.5490, -49.8380,  
0.1300

■ 177.4620,  
-44.9790, 5.6850

■ 31.7850, -35.7630,  
3.8610

■ 204.3220,  
-41.7690, 2.5750

■ 17.4230, -22.8800,  
7.1680

■ 229.1300,  
-32.7810, -6.1330

■ 4.9360, -11.1430,  
9.2170

■ 245.4320,  
-19.0720, -6.7840

■ 0.7980, -2.2470,  
2.1770

■ 254.4020, -1.1920,

■ 0.0000, 0.0000,

-0.4240

0.0000

■ 96.7990, -47.5460,  
2.6460

■ 96.7990, -47.5460,  
2.6460

■ 88.2050, -54.5610,  
3.1270

■ 105.3930,  
-40.5310, 2.1650

■ 79.3120, -62.1720,  
3.3960

■ 114.2860,  
-32.9200, 1.8960

■ 70.7180, -69.1870,  
3.8770

■ 122.8800,  
-25.9050, 1.4150

■ 66.8640, -72.5340,  
3.9620

■ 131.7730,  
-18.2940, 1.1460

■ 140.3670,  
-11.2790, 0.6650

■ 148.9610, -4.2640,  
0.1840

■ 157.8540, 3.3470,  
-0.0850

■ 166.4480, 10.3620,  
-0.5660

■ 175.3410, 17.9730,  
-0.8350

# Harmonies

## Analogous

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



83.3340, -77.5740, -14.8380



96.7990, -47.5460, 2.6460



104.8140, -16.3710, 15.8610

# Triad

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



96.7990, -47.5460, 2.6460



105.0330, 39.9320, 14.2040



95.8710, -13.6590, -22.2910

# Complementary

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



96.7990, -47.5460, 2.6460



110.2010, 47.5460, -2.6460

# 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.



99.9680, 11.0530, -18.6030



96.7990, -47.5460, 2.6460



104.0570, 39.3840, 2.1040

# Square

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



96.7990, -47.5460, 2.6460



106.3990, 30.3940, 21.8660



102.4050, 29.1160, -10.0520



88.2230, -46.9450, -24.7770



# Rectangle

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



96.7990, -47.5460, 2.6460



107.0290, 2.1970, 20.7650



102.4050, 29.1160, -10.0520



97.8890, -4.9020, -21.3020

# Sweetspot

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



96.7990, -47.5460, 2.6460



176.4740, -18.8900, 0.9340



117.4170, -42.2200, -38.8280



86.2530, -10.9580, 0.3540



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000



# Same Dimension

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



96.7990, -47.5460, 2.6460



109.7930, -73.7720, 4.3720



67.4490, -33.7960, 28.7960



72.2600, -3.6680, 0.3960



60.5720, -65.8400, 3.7920



5.5910, -6.0980, 0.3820



# Inverse Universe

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



89.4690, 42.5410, 38.5170



98.6330, 66.2870, 59.7190



139.5510, 33.7960, -28.7960



71.8480, 3.4840, 2.9400



50.5240, 59.0440, 53.3160



4.6850, 5.5010, 4.9330



# Previews

## White Background



This preview shows how the YIQ color 96.7990, -47.5460, 2.6460 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 96.7990, -47.5460, 2.6460 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

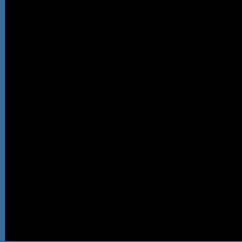
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 96.7990, -47.5460, 2.6460**

## **Background**



This preview shows how black text looks on a background with the YIQ color 96.7990, -47.5460, 2.6460.



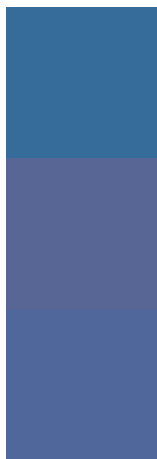
This preview shows how white text looks on a background with the YIQ color 96.7990, -47.5460,



# 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

96.7990, -47.5460, 2.6460

### Protanopia

103.1720, -23.4310, 11.6490

### Deuteranopia

102.0510, -30.4000, 11.2960



## Tritanopia

91.4050, -49.9730, -13.9490

# Trichromacy



## Original Color

96.7990, -47.5460, 2.6460

## Protanomaly

100.6870, -32.3710, 8.4690

## Deuteranomaly

100.2350, -36.9100, 8.1300

## Tritanomaly

93.5780, -48.7820, -7.9980

# Monochromacy



## Original Color

96.7990, -47.5460, 2.6460

## Achromatopsia

97.0000, -0.0000, 0.0000

## Achromatomaly

96.9580, -17.3770, 1.0470

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 96.7990, -47.5460, 2.6460 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(53, 108, 154)` looks like.

```
.text, #text, p{  
    color:rgb(53, 108, 154)  
}
```

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(53, 108, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 108, 154) }
```

## Border

The CSS property to change the border of an element to YIQ 96.7990, -47.5460, 2.6460 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(53, 108, 154) }
```



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

```
.border{ border-color:rgb(53, 108, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 108, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 108, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 108, 154);  
box-shadow:4px 4px 4px 4px rgb(53, 108,  
154) }
```

# Background

The CSS property to change the background color of an element to YIQ 96.7990, -47.5460, 2.6460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 108, 154) }
```

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

```
.background{ background-color: rgb(53, 108,  
154) }
```

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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