

# Converting Colors

YIQ(93.6970, -47.4990, -3.7150)

Have a look what the booklet for  
YIQ(93.6970, -47.4990, -3.7150)  
contains.

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# Color

**YIQ(93.6970, -47.4990,  
-3.7150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E6D8C
RGB	46, 109, 140
RGB Percent	18%, 43%, 55%
CMY	0.8197, 0.5724, 0.4512
CMYK	0.67, 0.22, 0.00, 0.45
HSL	200°, 51%, 36%
HSV	200°, 67%, 55%
XYZ	11.3263, 13.4149, 26.7824
YIQ	93.6970, -47.4990, -3.7150

# Conversions

## Conversions Part 2

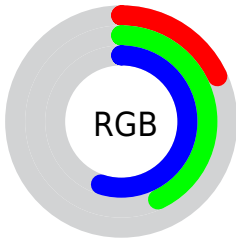
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 84, 140
Decimal	3042700
CIE Lab	43.38, -9.91, -22.93
CIE LCh	43, 24.979, 246.631
Yxy	13.4149, 0.2198, 0.2604
Android (android.graphics.Color)	4281232780 (0xFF2E6D8C)
YUV	93.6970, 22.8274, -41.8303
Hunter-Lab	36.6263, -8.8967, -17.7164

# Details

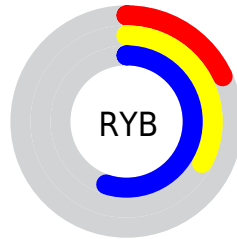
The YIQ color  $93.6970, -47.4990, -3.7150$  is a dark color, and the websafe version is hex  $006699$ . A complement of this color would be  $92.3030, 47.4990, 3.7150$ , and the grayscale version is  $94.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $146.8330, -44.8860, -1.5100$ , and  $46.6540, -45.9400, -4.4360$  is the 20% darker color. If you saturate the color by 10%, you get  $86.5760, -54.4680, -4.0680$ , and if you desaturate by 10%, it is  $100.8180, -40.5300, -3.3620$ .

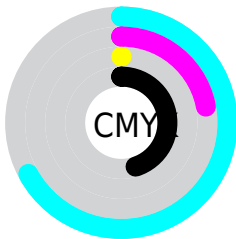
# Distribution



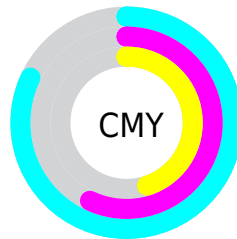
- Red (18%)
- Green (43%)
- Blue (55%)



- Red (18%)
- Yellow (33%)
- Blue (55%)



- Cyan (67%)
- Magenta (22%)
- Yellow (0%)
- Black (45%)



- Cyan (82%)
- Magenta (57%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 93.6970, -47.4990, -3.7150 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 93.6970, -47.4990, -3.7150 by changing the saturation by 10% instead.



■ 93.6970, -47.4990,  
-3.7150

■ 93.6970, -47.4990,  
-3.7150

■ 255.0000, -0.0000,  
-0.0000

■ 64.6850, -56.3930,  
-7.7290

■ 147.4200,  
-45.1610, -2.0330

■ 46.6540, -45.9400,  
-4.4360

■ 173.9470,  
-45.2070, -1.1990

■ 31.0040, -32.1860,  
-0.3940

■ 201.9470,  
-45.2070, -1.1990

■ 16.7560, -19.6240,  
3.2240

■ 227.9120,  
-38.0990, -8.8750

■ 3.2090, -7.6580,  
6.6300

■ 243.0400,  
-23.8400, -8.4800

■ 0.0000, 0.0000,  
0.0000

■ 251.7110, -6.5560,

-2.3320

■ 93.6970, -47.4990,  
-3.7150

■ 93.6970, -47.4990,  
-3.7150

■ 86.5760, -54.4680,  
-4.0680

■ 100.8180,  
-40.5300, -3.3620

■ 80.0420, -61.7120,  
-4.9440

■ 107.3520,  
-33.2860, -2.4860

■ 72.9210, -68.6810,  
-5.2970

■ 114.4730,  
-26.3170, -2.1330

■ 71.1380, -70.7900,  
-5.6220

■ 121.0070,  
-19.0730, -1.2570

■ 128.1280,  
-12.1040, -0.9040

■ 135.2490, -5.1350,  
-0.5510

■ 141.7830, 2.1090,  
0.3250

■ 148.9040, 9.0780,  
0.6780

■ 155.4380, 16.3220,  
1.5540

# Harmonies

## Analogous

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



87.2730, -58.4090, -15.2490



93.6970, -47.4990, -3.7150



100.9820, -25.9520, 7.7760

# Triad

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



93.6970, -47.4990, -3.7150



104.2260, 29.2030, 15.9150



98.4600, 0.9200, -16.6800

# Complementary

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



93.6970, -47.4990, -3.7150



92.3030, 47.4990, 3.7150

# 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.



100.9030, 18.8460, -11.1540



93.6970, -47.4990, -3.7150



103.4080, 34.2020, 7.9140

# Square

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



93.6970, -47.4990, -3.7150



105.2770, 15.9980, 18.4460



102.6320, 30.2150, -2.4330



94.5700, -19.9410, -18.5730



# Rectangle

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



93.6970, -47.4990, -3.7150



103.8700, -10.7770, 13.5990



102.6320, 30.2150, -2.4330



99.2220, 7.5220, -15.1820

# Sweetspot

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



93.6970, -47.4990, -3.7150



163.1920, -18.1560, -1.3560



104.5980, -35.4800, -39.8320



81.3130, -11.1870, -1.0030



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

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



93.6970, -47.4990, -3.7150



108.8710, -74.4120, -6.0600



66.6950, -34.8490, 20.3430



65.7330, -3.6220, -0.4380



67.4050, -67.1680, -5.1840



2.3310, -2.4300, -0.0140



# Inverse Universe

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



81.2880, 35.8010, 39.5210



89.2390, 55.8330, 61.9530



119.3050, 34.8490, -20.3430



64.6630, 2.5670, 3.0390



49.9130, 50.6990, 55.8750



1.8370, 2.0170, 1.9930



# Previews

## White Background



This preview shows how the YIQ color 93.6970, -47.4990, -3.7150 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 93.6970, -47.4990, -3.7150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

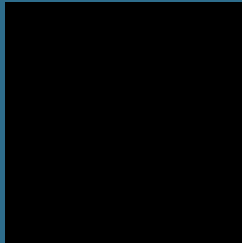
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 93.6970, -47.4990, -3.7150**

## **Background**



This preview shows how black text looks on a background with the YIQ color 93.6970, -47.4990, -3.7150.



This preview shows how white text looks on a background with the YIQ color 93.6970, -47.4990,

-3.7150.

# 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

93.6970, -47.4990, -3.7150

### Protanopia

102.3700, -15.3610, 8.5670

### Deuteranopia

102.0860, -20.3130, 10.2070



## Tritanopia

90.0030, -48.7810, -13.5250

# Trichromacy



## Original Color

93.6970, -47.4990, -3.7150

## Protanomaly

99.2760, -26.9600, 4.0160

## Deuteranomaly

98.9490, -30.3530, 4.9350

## Tritanomaly

91.4100, -48.3690, -9.9770

# Monochromacy



## Original Color

93.6970, -47.4990, -3.7150

## Achromatopsia

94.0000, 0.0000, 0.0000

## Achromatomaly

93.7900, -16.9640, -0.9320

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 93.6970, -47.4990, -3.7150 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(46, 109, 140)` looks like.

```
.text, #text, p{  
    color:rgb(46, 109, 140)  
}
```

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(46, 109, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 109, 140) }
```

## Border

The CSS property to change the border of an element to YIQ 93.6970, -47.4990, -3.7150 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(46, 109, 140) }
```



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

```
.border{ border-color:rgb(46, 109, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 109, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 109, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 109, 140);  
box-shadow:4px 4px 4px 4px rgb(46, 109,  
140) }
```

# Background

The CSS property to change the background color of an element to YIQ 93.6970, -47.4990, -3.7150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 109, 140) }
```

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

```
.background{ background-color: rgb(46, 109,  
140) }
```

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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