

# Converting Colors

YIQ(96.7180, -42.8240, 5.1760)

Have a look what the booklet for  
YIQ(96.7180, -42.8240, 5.1760)  
contains.

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# Color

**YIQ(96.7180, -42.8240,  
5.1760)**

# Conversions

Conversions Part 1	
Format	Color
Hex	3B6999
RGB	59, 105, 153
RGB Percent	23%, 41%, 60%
CMY	0.7687, 0.5882, 0.4002
CMYK	0.61, 0.31, 0.00, 0.40
HSL	211°, 44%, 42%
HSV	211°, 61%, 60%
XYZ	12.6014, 13.3345, 32.0238
YIQ	96.7180, -42.8240, 5.1760

# Conversions

## Conversions Part 2

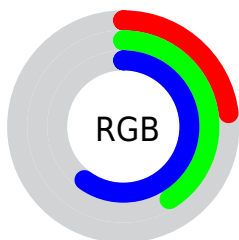
Format	Color
<a href="#">RYB</a>	<a href="#">59, 90, 153</a>
Decimal	<a href="#">3893657</a>
CIELab	<a href="#">43.26, -0.49, -30.83</a>
CIELCh	<a href="#">43, 30.831, 269.092</a>
Yxy	<a href="#">13.3345, 0.2174, 0.2301</a>
Android (android.graphics.Color)	<a href="#">4282083737</a> (0xFF3B6999)
YUV	<a href="#">96.7180, 27.7470, -33.0787</a>
Hunter-Lab	<a href="#">36.5164, -2.3053, -26.4341</a>

# Details

The YIQ color  $96.7180, -42.8240, 5.1760$  is a dark color, and the websafe version is hex  $336699$ . A complement of this color would be  $115.2820, 42.8240, -5.1760$ , and the grayscale version is  $96.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $149.3700, -41.7240, 7.2680$ , and  $45.6740, -48.6920, 1.3880$  is the 20% darker color. If you saturate the color by 10%, you get  $87.5370, -49.5640, 6.1800$ , and if you desaturate by 10%, it is  $105.8990, -36.0840, 4.1720$ .

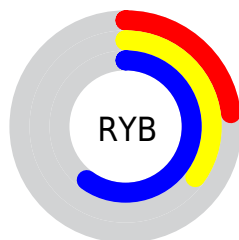
# Distribution



Red (23%)

Green (41%)

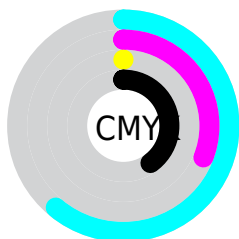
Blue (60%)



Red (23%)

Yellow (35%)

Blue (60%)

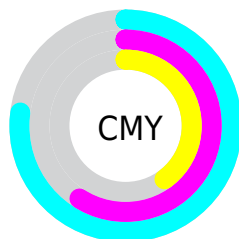


Cyan (61%)

Magenta (31%)

Yellow (0%)

Black (40%)



Cyan (77%)

Magenta (59%)


Yellow (40%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 96.7180, -42.8240, 5.1760 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 96.7180, -42.8240, 5.1760 by changing the saturation by 10% instead.





 96.7180, -42.8240,  
5.1760

 96.7180, -42.8240,  
5.1760


 255.0000, -0.0000,  
-0.0000


 70.0980, -46.9500,  
2.8580


 149.3700,  
-41.7240, 7.2680

 45.6740, -48.6920,  
1.3880


 176.7830,  
-41.4490, 7.7910

 30.4970, -34.8920,  
4.5960


 203.1700,  
-38.2850, 5.5150

 15.5480, -21.7340,  
8.4260

 228.5650,  
-29.5720, -3.7160

 4.8220, -10.8220,  
8.9060

 246.6280,  
-16.6880, -5.9360

 0.5700, -1.6050,  
1.5550

 0.0000, 0.0000,

0.0000

■ 96.7180, -42.8240,  
5.1760

■ 96.7180, -42.8240,  
5.1760

■ 87.5370, -49.5640,  
6.1800

■ 105.8990,  
-36.0840, 4.1720

■ 78.0570, -56.9000,  
6.9720

■ 115.3790,  
-28.7480, 3.3800

■ 69.4630, -63.9150,  
7.4530

■ 123.9730,  
-21.7330, 2.8990

■ 61.4670, -69.7380,  
8.3580

■ 133.1540,  
-14.9930, 1.8950

■ 142.3350, -8.2530,  
0.8910

■ 151.8150, -0.9170,  
0.0990

■ 160.9960, 5.8230,  
-0.9050

■ 169.5900, 12.8380,  
-1.3860

■ 179.0700, 20.1740,  
-2.1780

# Harmonies

## Analogous

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



82.2740, -77.3450, -13.4810



96.7180, -42.8240, 5.1760



103.9070, -12.1990, 17.3450

# Triad

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



96.7180, -42.8240, 5.1760



103.1640, 40.9410, 12.4370



93.1200, -18.7940, -22.8420

# Complementary

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



96.7180, -42.8240, 5.1760



115.2820, 42.8240, -5.1760

# 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.



97.5870, 7.7520, -19.3520



96.7180, -42.8240, 5.1760



101.7040, 38.8800, 0.2240

# Square

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



96.7180, -42.8240, 5.1760



104.5410, 32.8700, 21.0460



99.9810, 27.3740, -11.5220



82.0090, -58.0860, -26.6140



# Rectangle

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



96.7180, -42.8240, 5.1760



105.1220, 6.3690, 22.2490



99.9810, 27.3740, -11.5220



95.3230, -9.1200, -21.9520

# Sweetspot

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



96.7180, -42.8240, 5.1760



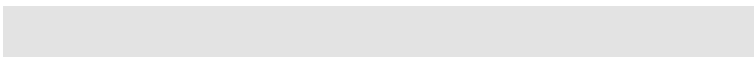
177.6700, -16.5060, 1.7820



119.5360, -40.9370, -34.5450



86.2640, -9.4910, 1.3010



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.



96.7180, -42.8240, 5.1760



111.0220, -66.9870, 8.0610



69.7160, -30.1740, 29.2340



72.2600, -3.6680, 0.3960



56.4630, -63.9150, 7.4530



5.0040, -5.8230, 0.9050



# Inverse Universe

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



92.3500, 41.2580, 34.2340



104.1610, 64.5000, 53.5560



142.2840, 30.1740, -29.2340



71.8480, 3.4840, 2.9400



49.7260, 61.2910, 51.1390



4.5710, 5.8220, 4.6220



# Previews

## White Background



This preview shows how the YIQ color 96.7180, -42.8240, 5.1760 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 96.7180, -42.8240, 5.1760 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 96.7180, -42.8240, 5.1760**

## **Background**



This preview shows how black text looks on a background with the YIQ color 96.7180, -42.8240, 5.1760.



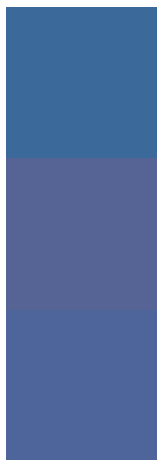
This preview shows how white text looks on a background with the YIQ color 96.7180, -42.8240,



# 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

96.7180, -42.8240, 5.1760

### Protanopia

101.4000, -24.0730, 12.2710

### Deuteranopia

99.8660, -31.3170, 11.3950



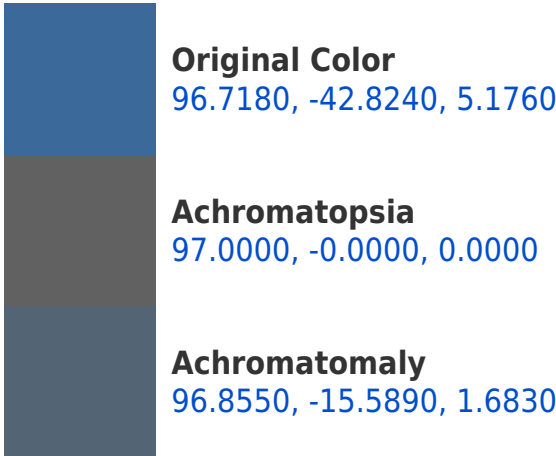
## Tritanopia

91.9930, -42.8210, -11.4050

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 96.7180, -42.8240, 5.1760 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(59, 105, 153)` looks like.

```
.text, #text, p{  
    color:rgb(59, 105, 153)  
}
```

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(59, 105, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 105, 153) }
```

## Border

The CSS property to change the border of an element to YIQ 96.7180, -42.8240, 5.1760 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(59, 105, 153) }
```



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

```
.border{ border-color:rgb(59, 105, 153) }
```

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

Here you see how a box with a 4 pixel rgb(59, 105, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 105, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 105, 153);  
box-shadow:4px 4px 4px 4px rgb(59, 105,  
153) }
```

# Background

The CSS property to change the background color of an element to YIQ 96.7180, -42.8240, 5.1760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 105, 153) }
```

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

```
.background{ background-color: rgb(59, 105,  
153) }
```

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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