

# Converting Colors

YIQ(58.4140, -70.2460, 28.5860)

Have a look what the booklet for  
YIQ(58.4140, -70.2460, 28.5860)  
contains.

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# Color

**YIQ(58.4140, -70.2460,  
28.5860)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	093BB9
RGB	9, 59, 185
RGB Percent	4%, 23%, 73%
CMY	0.9646, 0.7685, 0.2749
CMYK	0.95, 0.68, 0.00, 0.27
HSL	223°, 91%, 38%
HSV	223°, 95%, 73%
XYZ	10.4244, 6.6869, 46.5871
YIQ	58.4140, -70.2460, 28.5860

# Conversions

## Conversions Part 2

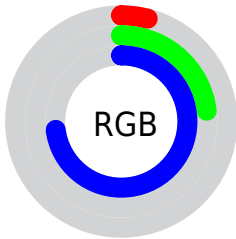
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	9, 48, 185
Decimal	605113
CIE Lab	31.08, 36.39, -69.53
CIE LCh	31, 78.476, 297.628
Yxy	6.6869, 0.1637, 0.1050
Android (android.graphics.Color)	4278795193 (0xFF093BB9)
YUV	58.4140, 62.4069, -43.3361
Hunter-Lab	25.8590, 26.7047, -88.7146

# Details

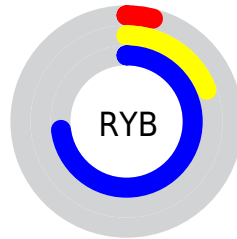
The YIQ color **58.4140, -70.2460, 28.5860** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **135.5860, 70.2460, -28.5860**, and the grayscale version is **58.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **119.1120, -48.4240, 40.6000**, and **25.5000, -47.0010, 31.3270** is the 20% darker color. If you saturate the color by 10%, you get **52.2010, -73.9600, 29.8160**, and if you desaturate by 10%, it is **71.7260, -62.4970, 25.8150**.

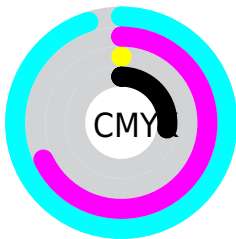
# Distribution



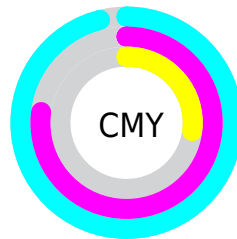
- Red (4%)
- Green (23%)
- Blue (73%)



- Red (4%)
- Yellow (19%)
- Blue (73%)



- Cyan (95%)
- Magenta (68%)
- Yellow (0%)
- Black (27%)



- Cyan (96%)
- Magenta (77%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 58.4140, -70.2460, 28.5860 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 58.4140, -70.2460, 28.5860 by changing the saturation by 10% instead.



■ 58.4140, -70.2460,  
28.5860

■ 58.4140, -70.2460,  
28.5860

■ 255.0000, -0.0000,  
-0.0000

■ 40.2040, -60.8470,  
28.9530

■ 119.1120,  
-48.4240, 40.6000

■ 25.9730, -46.9550,  
30.4930

■ 144.5380,  
-40.9960, 38.1400

■ 11.8560, -33.3840,  
32.3440

■ 169.0690,  
-29.6700, 31.1140

■ 14.8760, -28.1090,  
19.3390

■ 193.8880,  
-19.2150, 23.3530

■ 9.2050, -19.0300,  
14.4900

■ 219.2940, -9.0350,  
15.0690

■ 4.9360, -11.1430,  
9.2170

■ 244.9990, 1.7410,

■ 0.6840, -1.9260,

6.9970

1.8660

■ 0.0000, 0.0000,  
0.0000

■ 58.4140, -70.2460,  
28.5860

■ 58.4140, -70.2460,  
28.5860

■ 52.2010, -73.9600,  
29.8160

■ 71.7260, -62.4970,  
25.8150

■ 84.7390, -55.3440,  
22.8320

■ 98.3390, -48.4660,  
19.3260

■ 111.6510,  
-40.7170, 16.5550

■ 124.6640,  
-33.5640, 13.5720

■ 137.9760,  
-25.8150, 10.8010

■ 151.5760,  
-18.9370, 7.2950

■ 164.8880,  
-11.1880, 4.5240

■ 177.9010, -4.0350,  
1.5410

# Harmonies

## Analogous

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



72.1080, -87.3000, 18.2680



58.4140, -70.2460, 28.5860



56.9230, 36.7120, 72.5840

# Triad

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



58.4140, -70.2460, 28.5860



62.1060, 73.2190, 11.1630



63.2890, -47.3110, -29.1590

# Complementary

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



58.4140, -70.2460, 28.5860



135.5860, 70.2460, -28.5860

# 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.



54.0040, -25.3000, -48.1160



58.4140, -70.2460, 28.5860



69.4950, 37.3700, -16.4700

# Square

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



58.4140, -70.2460, 28.5860



52.7400, 93.0660, 42.4580



57.9680, -7.2830, -38.7310



71.0580, -67.8090, -10.0890



# Rectangle

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



58.4140, -70.2460, 28.5860



60.5500, 65.3230, 66.1790



57.9680, -7.2830, -38.7310



60.1940, -39.9740, -35.4780

# Sweetspot

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



58.4140, -70.2460, 28.5860



189.7200, -27.9700, 11.3100



126.3340, -87.8830, -53.7950



89.8320, -16.7820, 6.7860



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000



# Same Dimension

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



58.4140, -70.2460, 28.5860



67.2760, -95.7400, 39.0760



39.5290, -35.6360, 62.1560



85.2000, -3.4390, 1.7530



43.6120, -62.1760, 25.5040



7.8880, -11.1880, 4.5240



# Inverse Universe

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



67.3240, 88.8460, 52.8620



79.5120, 121.2120, 72.0280



154.4710, 35.6360, -62.1560



85.9190, 4.7220, 2.5300



51.6600, 78.8520, 46.7560



9.2840, 14.1200, 8.4240



# Previews

## White Background



This preview shows how the YIQ color 58.4140, -70.2460, 28.5860 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 ✓ Pass



# Black Background



This preview shows how the YIQ color 58.4140, -70.2460, 28.5860 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

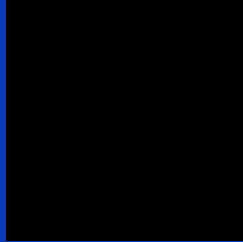
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 58.4140, -70.2460, 28.5860

## Background



This preview shows how black text looks on a background with the YIQ color 58.4140, -70.2460, 28.5860.



This preview shows how white text looks on a background with the YIQ color 58.4140, -70.2460,



# 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

58.4140, -70.2460, 28.5860

### Protanopia

58.6630, -67.3540, 9.2060

### Deuteranopia

58.5030, -61.3920, 0.2720



## Tritanopia

57.3510, -49.8810, -15.6170

# Trichromacy



## Original Color

58.4140, -70.2460, 28.5860

## Protanomaly

58.6940, -68.6390, 15.9770

## Deuteranomaly

58.2720, -64.6950, 10.5770

## Tritanomaly

57.6560, -57.4490, 0.3990

# Monochromacy



## Original Color

58.4140, -70.2460, 28.5860

## Achromatopsia

58.0000, -0.0000, 0.0000

## Achromatomaly

57.8620, -25.4940, 10.4900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 58.4140, -70.2460, 28.5860 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(9, 59, 185)` looks like.

```
.text, #text, p{  
    color:rgb(9, 59, 185)  
}
```

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(9, 59, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 59, 185) }
```

## Border

The CSS property to change the border of an element to YIQ 58.4140, -70.2460, 28.5860 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(9, 59, 185) }
```



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

```
.border{ border-color:rgb(9, 59, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 59, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 59, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 59, 185);  
box-shadow:4px 4px 4px 4px rgb(9, 59, 185)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 58.4140, -70.2460, 28.5860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 59, 185) }
```

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

```
.background{ background-color: rgb(9, 59,  
185) }
```

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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