

# Converting Colors

YIQ(106.0100, -58.6860,  
-4.7180)

Have a look what the booklet for  
YIQ(106.0100, -58.6860, -4.7180)  
contains.

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# Color

**YIQ(106.0100, -58.6860,  
-4.7180)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F7DA3
RGB	47, 125, 163
RGB Percent	18%, 49%, 64%
CMY	0.8158, 0.5097, 0.3610
CMYK	0.71, 0.23, 0.00, 0.36
HSL	200°, 55%, 41%
HSV	200°, 71%, 64%
XYZ	15.1130, 17.9209, 37.2814
YIQ	106.0100, -58.6860, -4.7180

# Conversions

## Conversions Part 2

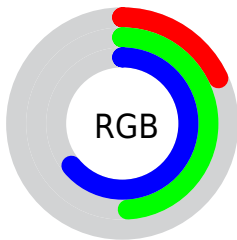
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	47, 94, 163
Decimal	3112355
CIE Lab	49.40, -11.02, -27.16
CIE LCh	49, 29.309, 247.919
Yxy	17.9209, 0.2149, 0.2549
Android (android.graphics.Color)	4281302435 (0xFF2F7DA3)
YUV	106.0100, 28.0961, -51.7518
Hunter-Lab	42.3330, -10.3577, -22.5818

# Details

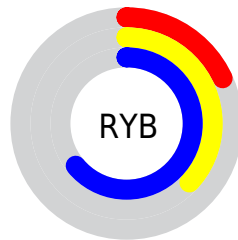
The YIQ color **106.0100, -58.6860, -4.7180** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **103.9900, 58.6860, 4.7180**, and the grayscale version is **106.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **161.6300, -54.5600, -2.4000**, and **57.2660, -56.5310, -5.2270** is the 20% darker color. If you saturate the color by 10%, you get **98.2910, -66.8470, -5.4950**, and if you desaturate by 10%, it is **113.7290, -50.5250, -3.9410**.

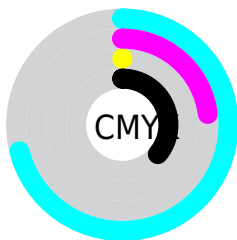
# Distribution



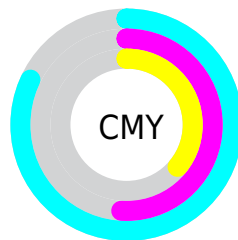
- Red (18%)
- Green (49%)
- Blue (64%)



- Red (18%)
- Yellow (37%)
- Blue (64%)



- Cyan (71%)
- Magenta (23%)
- Yellow (0%)
- Black (36%)



- Cyan (82%)
- Magenta (51%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 106.0100, -58.6860, -4.7180 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 106.0100, -58.6860, -4.7180 by changing the saturation by 10% instead.



■ 106.0100,  
-58.6860, -4.7180

■ 106.0100,  
-58.6860, -4.7180

■ 255.0000, -0.0000,  
-0.0000

■ 74.3180, -71.4770,  
-9.6930

■ 161.6300,  
-54.5600, -2.4000

■ 57.2660, -56.5310,  
-5.2270

■ 189.1570,  
-54.6060, -1.5660

■ 41.5020, -42.4560,  
-1.4960

■ 215.1760,  
-47.5900, -7.5740

■ 25.9660, -29.0230,  
2.8570

■ 236.7610,  
-36.3560, -12.9320

■ 6.4350, -13.9860,  
11.1820

■ 245.4320,  
-19.0720, -6.7840

■ 2.7530, -6.3740,  
5.3860

254.4020, -1.1920,

■ 0.0000, 0.0000,

-0.4240

0.0000

■ 106.0100,  
-58.6860, -4.7180

■ 106.0100,  
-58.6860, -4.7180

■ 98.2910, -66.8470,  
-5.4950

■ 113.7290,  
-50.5250, -3.9410

■ 89.6860, -75.3290,  
-5.9610

■ 122.3340,  
-42.0430, -3.4750

■ 83.1520, -82.5730,  
-6.8370

■ 130.0530,  
-33.8820, -2.6980

■ 137.7720,  
-25.7210, -1.9210

■ 146.0780,  
-17.8350, -1.6670

■ 154.0960, -9.0780,  
-0.6780

■ 161.8150, -0.9170,  
0.0990

■ 170.1210, 6.9690,  
0.3530

■ 178.1390, 15.7260,  
1.3420

# Harmonies

## Analogous

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



92.4810, -82.6620, -21.7500



106.0100, -58.6860, -4.7180



115.6980, -30.9040, 9.4160

# Triad

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



106.0100, -58.6860, -4.7180



119.6290, 35.4380, 18.5580



112.0530, 0.5080, -20.2280

# Complementary

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



106.0100, -58.6860, -4.7180



103.9900, 58.6860, 4.7180

# 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.



114.9910, 21.4140, -13.6420



106.0100, -58.6860, -4.7180



118.6430, 40.8500, 8.5780

# Square

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



106.0100, -58.6860, -4.7180



120.9510, 20.0320, 22.4320



117.3290, 35.4420, -3.5500



107.5260, -25.8090, -22.3610



# Rectangle

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



106.0100, -58.6860, -4.7180



119.3800, -12.1530, 16.5110



117.3290, 35.4420, -3.5500



113.4130, 8.3020, -18.3060

# Sweetspot

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



106.0100, -58.6860, -4.7180



189.7400, -22.6950, -1.6950



119.3100, -43.7770, -49.1610



93.6440, -13.6170, -1.0170



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000



# Same Dimension

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



106.0100, -58.6860, -4.7180



123.5470, -91.0550, -7.3030



72.5510, -43.0110, 25.0930



77.5480, -4.5390, -0.3390



74.0560, -73.4950, -6.1590



9.0960, -9.0780, -0.6780



# Inverse Universe

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



90.5760, 44.0980, 48.8500



99.6140, 68.4390, 75.7910



137.4490, 43.0110, -25.0930



76.3750, 3.4380, 3.7740



54.5270, 54.9620, 61.2180



6.7500, 6.8760, 7.5480



# Previews

## White Background



This preview shows how the YIQ color 106.0100, -58.6860, -4.7180 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

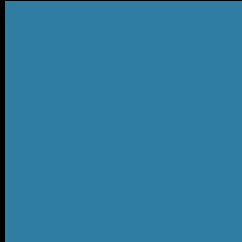
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 106.0100, -58.6860, -4.7180 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

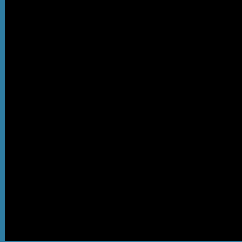
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 106.0100, -58.6860, -4.7180

## Background



This preview shows how black text looks on a background with the YIQ color 106.0100, -58.6860, -4.7180.



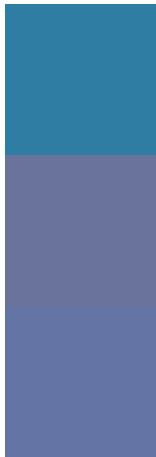
This preview shows how white text looks on a background with the YIQ color 106.0100, -58.6860, -4.7180.

-4.7180.

# 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

106.0100, -58.6860, -4.7180

### Protanopia

116.9830, -18.5250, 10.8430

### Deuteranopia

116.5030, -25.8610, 11.6350



## Tritanopia

100.3540, -63.1310, -17.7790

# Trichromacy



## Original Color

106.0100, -58.6860, -4.7180

## Protanomaly

113.3940, -33.1040, 5.2320

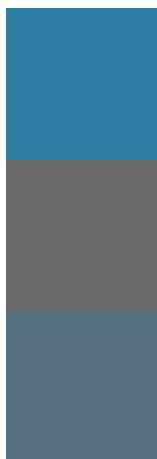
## Deuteranomaly

112.4690, -37.6890, 5.7270

## Tritanomaly

102.7720, -61.2520, -13.2840

# Monochromacy



## Original Color

106.0100, -58.6860, -4.7180

## Achromatopsia

106.0000, -0.0000, -0.0000

## Achromatomaly

106.2240, -21.1820, -1.5820

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 106.0100, -58.6860, -4.7180 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(47, 125, 163)` looks like.

```
.text, #text, p{  
    color:rgb(47, 125, 163)  
}
```

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(47, 125, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 125, 163) }
```

## Border

The CSS property to change the border of an element to YIQ 106.0100, -58.6860, -4.7180 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(47, 125, 163) }
```



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

```
.border{ border-color:rgb(47, 125, 163) }
```

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

Here you see how a box with a 4 pixel rgb(47, 125, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 125, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 125, 163);  
box-shadow:4px 4px 4px 4px rgb(47, 125,  
163) }
```

# Background

The CSS property to change the background color of an element to YIQ 106.0100, -58.6860, -4.7180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 125, 163) }
```

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

```
.background{ background-color: rgb(47, 125,  
163) }
```

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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