

# Converting Colors

YIQ(87.0340, -50.0660, -6.7540)

Have a look what the booklet for  
YIQ(87.0340, -50.0660, -6.7540)  
contains.

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# Color

**YIQ(87.0340, -50.0660,  
-6.7540)**

# Conversions

## Conversions Part 1

Format	Color
Hex	236983
RGB	35, 105, 131
RGB Percent	14%, 41%, 51%
CMY	0.8629, 0.5881, 0.4865
CMYK	0.73, 0.20, 0.00, 0.49
HSL	196°, 58%, 33%
HSV	196°, 73%, 51%
XYZ	9.8394, 12.1030, 23.2704
YIQ	87.0340, -50.0660, -6.7540

# Conversions

## Conversions Part 2

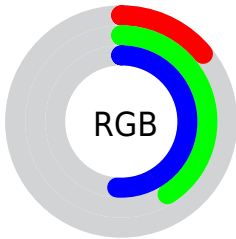
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 75, 131
Decimal	2320771
CIELab	41.38, -12.55, -20.65
CIELCh	41, 24.163, 238.701
Yxy	12.1030, 0.2176, 0.2677
Android (android.graphics.Color)	4280510851 (0xFF236983)
YUV	87.0340, 21.6752, -45.6338
Hunter-Lab	34.7894, -10.3968, -15.3062

# Details

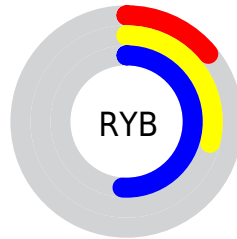
The YIQ color **87.0340, -50.0660, -6.7540** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **78.9660, 50.0660, 6.7540**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.3550, -46.5360, -4.6480**, and **43.2800, -41.9510, -5.1430** is the 20% darker color. If you saturate the color by 10%, you get **80.7990, -56.7140, -7.4180**, and if you desaturate by 10%, it is **93.2690, -43.4180, -6.0900**.

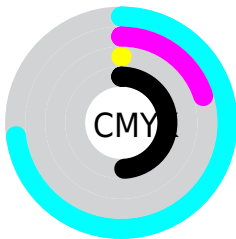
# Distribution



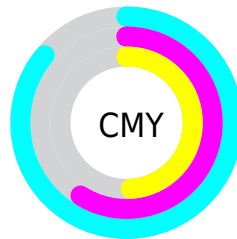
- Red (14%)
- Green (41%)
- Blue (51%)



- Red (14%)
- Yellow (29%)
- Blue (51%)



- Cyan (73%)
- Magenta (20%)
- Yellow (0%)
- Black (49%)



- Cyan (86%)
- Magenta (59%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 87.0340, -50.0660, -6.7540 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 87.0340, -50.0660, -6.7540 by changing the saturation by 10% instead.



87.0340, -50.0660,  
-6.7540

87.0340, -50.0660,  
-6.7540

255.0000, -0.0000,  
-0.0000

59.6310, -56.3010,  
-9.3970

140.3550,  
-46.5360, -4.6480

43.2800, -41.9510,  
-5.1430

167.7680,  
-46.2610, -4.1250

27.7440, -28.5180,  
-0.7900

195.7680,  
-46.2610, -4.1250

11.2620, -15.1770,  
5.2310

222.2860,  
-42.0880, -8.1680

2.1830, -4.7690,  
3.8310

240.3490,  
-29.2040, -10.3880

0.0000, 0.0000,  
0.0000

249.0200,

-11.9200, -4.2400

■ 87.0340, -50.0660,  
-6.7540

■ 87.0340, -50.0660,  
-6.7540

■ 80.7990, -56.7140,  
-7.4180

■ 93.2690, -43.4180,  
-6.0900

■ 75.1510, -63.6370,  
-8.6050

■ 98.9170, -36.4950,  
-4.9030

■ 71.2860, -68.4510,  
-9.4670

■ 105.1520,  
-29.8470, -4.2390

■ 110.8000,  
-22.9240, -3.0520

■ 117.0350,  
-16.2760, -2.3880

■ 122.9820, -8.7570,  
-0.9890

■ 129.2170, -2.1090,  
-0.3250

■ 134.8650, 4.8140,  
0.8620

■ 141.1000, 11.4620,  
1.5260

# Harmonies

## Analogous

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



82.6000, -55.0160, -16.1680



87.0340, -50.0660, -6.7540



94.6500, -30.9490, 4.7230

# Triad

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



87.0340, -50.0660, -6.7540



99.4860, 25.5350, 16.3110



94.1510, 6.2840, -14.7720

# Complementary

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



87.0340, -50.0660, -6.7540



78.9660, 50.0660, 6.7540

# 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.



96.4520, 21.7340, -8.4260



87.0340, -50.0660, -6.7540



99.0920, 32.2760, 9.7800

# Square

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



87.0340, -50.0660, -6.7540



100.4120, 11.1840, 17.5840



97.5120, 30.6730, 0.2810



91.2180, -13.0180, -17.3860



# Rectangle

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



87.0340, -50.0660, -6.7540



97.7660, -16.4160, 11.1680



97.5120, 30.6730, 0.2810



94.7280, 11.9690, -13.1750

# Sweetspot

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



87.0340, -50.0660, -6.7540



153.7680, -19.8980, -2.8260



94.3160, -34.7460, -42.1220



76.6010, -12.0580, -1.7380



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000



# Same Dimension

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



87.0340, -50.0660, -6.7540



102.0830, -78.1250, -10.3570



58.8580, -36.8660, 18.3500



63.6190, -3.3010, -0.7490



70.5850, -67.8550, -9.2550



1.5160, -1.5130, -0.1130



# Inverse Universe

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



71.6840, 34.7460, 42.1220



78.2760, 54.4110, 65.6990



107.1420, 36.8660, -18.3500



62.3640, 1.9710, 2.8270



49.7000, 46.9850, 57.1050



1.1250, 1.1460, 1.2580



# Previews

## White Background



This preview shows how the YIQ color 87.0340, -50.0660, -6.7540 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 87.0340, -50.0660, -6.7540 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

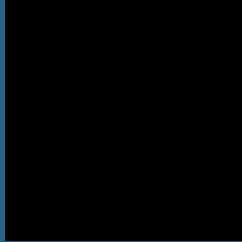
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 87.0340, -50.0660, -6.7540**

## **Background**



This preview shows how black text looks on a background with the YIQ color 87.0340, -50.0660, -6.7540.



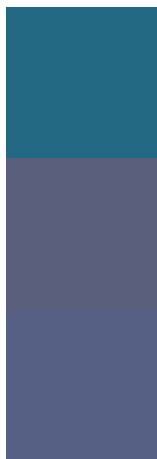
This preview shows how white text looks on a background with the YIQ color 87.0340, -50.0660,

-6.7540.

# 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

87.0340, -50.0660, -6.7540

### Protanopia

97.3980, -12.5640, 7.4360

### Deuteranopia

97.2280, -17.8370, 9.3870



## Tritanopia

83.4970, -53.2280, -15.5320

# Trichromacy



## Original Color

87.0340, -50.0660, -6.7540

## Protanomaly

93.5210, -26.2720, 2.5600

## Deuteranomaly

93.1940, -29.6650, 3.4790

## Tritanomaly

84.6760, -52.1740, -12.6060

# Monochromacy



## Original Color

87.0340, -50.0660, -6.7540

## Achromatopsia

87.0000, -0.0000, -0.0000

## Achromatomaly

87.2520, -18.3850, -2.7130

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 87.0340, -50.0660, -6.7540 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(35, 105, 131)` looks like.

```
.text, #text, p{  
    color:rgb(35, 105, 131)  
}
```

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(35, 105, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 105, 131) }
```

## Border

The CSS property to change the border of an element to YIQ 87.0340, -50.0660, -6.7540 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(35, 105, 131) }
```



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

```
.border{ border-color:rgb(35, 105, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 105, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 105, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 105, 131);  
box-shadow:4px 4px 4px 4px rgb(35, 105,  
131) }
```

# Background

The CSS property to change the background color of an element to YIQ 87.0340, -50.0660, -6.7540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 105, 131) }
```

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

```
.background{ background-color: rgb(35, 105,  
131) }
```

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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