

Converting Colors

YIQ(87.8260, -33.8400, 18.5760)

Have a look what the booklet for
YIQ(87.8260, -33.8400, 18.5760)
contains.

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Color

**YIQ(87.8260, -33.8400,
18.5760)**

Conversions

Conversions Part 1

Format	Color
Hex	43559D
RGB	67, 85, 157
RGB Percent	26%, 33%, 62%
CMY	0.7372, 0.6666, 0.3845
CMYK	0.57, 0.46, 0.00, 0.38
HSL	228°, 40%, 44%
HSV	228°, 57%, 62%
XYZ	11.6455, 10.1242, 33.2170
YIQ	87.8260, -33.8400, 18.5760

Conversions

Conversions Part 2

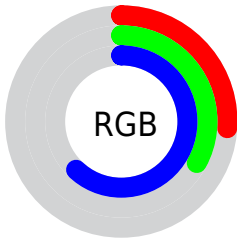
Format	Color
R _Y B	67, 82, 157
Decimal	4412829
CIE Lab	38.06, 15.30, -41.42
CIE LCh	38, 44.158, 290.275
Yxy	10.1242, 0.2118, 0.1841
Android (android.graphics.Color)	4282602909 (0xFF43559D)
YUV	87.8260, 34.1028, -18.2644
Hunter-Lab	31.8185, 9.6483, -39.6228

Details

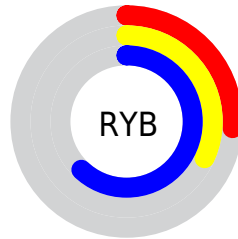
The YIQ color **87.8260, -33.8400, 18.5760** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **136.1740, 33.8400, -18.5760**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **139.3040, -32.1900, 21.7140**, and **36.0370, -44.9800, 11.2120** is the 20% darker color. If you saturate the color by 10%, you get **75.4110, -39.8010, 21.9830**, and if you desaturate by 10%, it is **100.2410, -27.8790, 15.1690**.

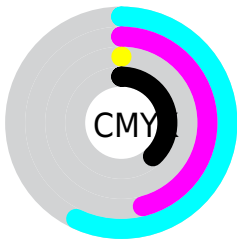
Distribution



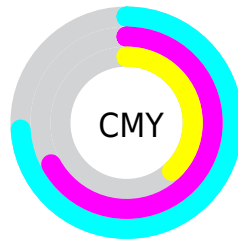
- Red (26%)
- Green (33%)
- Blue (62%)



- Red (26%)
- Yellow (32%)
- Blue (62%)



- Cyan (57%)
- Magenta (46%)
- Yellow (0%)
- Black (38%)



- Cyan (74%)
- Magenta (67%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.8260, -33.8400, 18.5760 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 87.8260, -33.8400, 18.5760 by changing the saturation by 10% instead.

■ 87.8260, -33.8400,
18.5760

■ 87.8260, -33.8400,
18.5760

■ 255.0000, -0.0000,
-0.0000

■ 62.6900, -36.4530,
16.3710

■ 139.3040,
-32.1900, 21.7140

■ 36.0370, -44.9800,
11.2120

■ 166.2440,
-31.9610, 23.0710

■ 21.4470, -31.4550,
13.8970

■ 192.0610,
-27.1920, 19.2400

■ 6.4980, -18.2970,
17.7270

■ 216.8690,
-18.2040, 10.5320

■ 5.0500, -11.4640,
9.5280

■ 241.9760, -8.6200,
2.0360

■ 1.0260, -2.8890,
2.7990

■ 0.0000, 0.0000,

0.0000

■ 87.8260, -33.8400,
18.5760

■ 87.8260, -33.8400,
18.5760

■ 75.4110, -39.8010,
21.9830

■ 100.2410,
-27.8790, 15.1690

■ 63.8820, -45.4410,
25.0790

■ 111.7700,
-22.2390, 12.0730

■ 51.4670, -51.4020,
28.4860

■ 124.1850,
-16.2780, 8.6660

■ 39.6390, -57.6380,
31.3700

■ 136.0130,
-10.0420, 5.7820

■ 36.0950, -58.9220,
32.6140

■ 148.1290, -4.6770,
2.1630

■ 159.9570, 1.5590,
-0.7210

■ 172.3720, 7.5200,
-4.1280

■ 184.2000, 13.7560,
-7.0120

■ 196.3160, 19.1210,
-10.6310

Harmonies

Analogous

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



75.1790, -78.0350, -0.9710



87.8260, -33.8400, 18.5760



92.1860, 9.4850, 31.8610

Triad

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



87.8260, -33.8400, 18.5760



86.9510, 54.4220, 4.9020



70.8860, -53.5460, -31.8020

Complementary

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



87.8260, -33.8400, 18.5760



136.1740, 33.8400, -18.5760

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.



76.2090, -17.9670, -32.3270



87.8260, -33.8400, 18.5760



85.4310, 43.4220, -16.0180

Square

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



87.8260, -33.8400, 18.5760



87.1430, 54.6020, 23.6740



82.2490, 20.0870, -28.1450



75.1040, -65.4230, -20.2950

Rectangle

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



87.8260, -33.8400, 18.5760



90.7880, 31.2170, 34.4890



82.2490, 20.0870, -28.1450



68.9310, -49.4190, -35.0110

Sweetspot

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



87.8260, -33.8400, 18.5760



177.0990, -13.1600, 7.2240



127.8100, -47.2200, -25.3000



86.6280, -7.5200, 4.1280



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000

Same Dimension

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



87.8260, -33.8400, 18.5760



95.5100, -52.9610, 29.2070



84.7350, -13.9900, 33.2900



73.0860, -3.1180, 1.4420



33.3250, -53.8780, 29.3060



3.4710, -5.6400, 3.0960

Inverse Universe

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



95.9620, 47.8620, 24.6780



108.3510, 75.0480, 38.6000



138.9660, 13.3940, -33.5020



73.6200, 4.1260, 2.3180



46.0630, 75.9190, 39.3350



4.8270, 7.9770, 4.1130

Previews

White Background



This preview shows how the YIQ color 87.8260, -33.8400, 18.5760 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 87.8260, -33.8400, 18.5760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

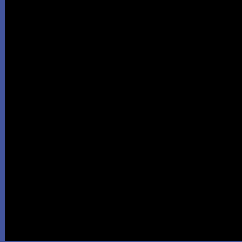
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.8260, -33.8400, 18.5760

Background



This preview shows how black text looks on a background with the YIQ color 87.8260, -33.8400, 18.5760.



This preview shows how white text looks on a background with the YIQ color 87.8260, -33.8400,

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

87.8260, -33.8400, 18.5760

Protanopia

85.9390, -41.5880, 15.8200

Deuteranopia

81.6660, -54.2410, 8.3430



Tritanopia

82.6630, -32.9640, -8.3240

Trichromacy



Original Color

87.8260, -33.8400, 18.5760

Protanomaly

86.4340, -38.6080, 16.8800

Deuteranomaly

84.0800, -46.5390, 11.9330

Tritanomaly

84.8730, -33.1950, 1.3730

Monochromacy



Original Color

87.8260, -33.8400, 18.5760

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

87.8710, -12.5180, 6.6020

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.8260, -33.8400, 18.5760 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(67, 85, 157)` looks like.

```
.text, #text, p{  
    color:rgb(67, 85, 157)  
}
```

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(67, 85, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 85, 157) }
```

Border

The CSS property to change the border of an element to YIQ 87.8260, -33.8400, 18.5760 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(67, 85, 157) }
```


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

```
.border{ border-color:rgb(67, 85, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 85, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 85, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 85, 157);  
box-shadow:4px 4px 4px 4px rgb(67, 85,  
157) }
```

Background

The CSS property to change the background color of an element to YIQ 87.8260, -33.8400, 18.5760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 85, 157) }
```

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

```
.background{ background-color: rgb(67, 85,  
157) }
```

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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