

# Converting Colors

YIQ(86.9240, -12.0100,  
-13.6260)

Have a look what the booklet for  
YIQ(86.9240, -12.0100, -13.6260)  
contains.

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# Color

**YIQ(86.9240, -12.0100,  
-13.6260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	43634D
RGB	67, 99, 77
RGB Percent	26%, 39%, 30%
CMY	0.7373, 0.6117, 0.6981
CMYK	0.32, 0.00, 0.22, 0.61
HSL	139°, 19%, 33%
HSV	139°, 32%, 39%
XYZ	8.1156, 10.6544, 8.6485
YIQ	86.9240, -12.0100, -13.6260

# Conversions

## Conversions Part 2

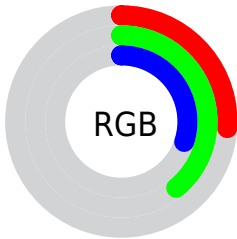
Format	Color
<a href="#">RYB</a>	<a href="#">67, 91, 99</a>
Decimal	<a href="#">4416333</a>
CIELab	<a href="#">38.99, -16.86, 8.84</a>
CIElCh	<a href="#">39, 19.040, 152.329</a>
Yxy	<a href="#">10.6544, 0.2960, 0.3886</a>
Android (android.graphics.Color)	<a href="#">4282606413</a> (0xFF43634D)
YUV	<a href="#">86.9240, -4.8925, -17.4733</a>
Hunter-Lab	<a href="#">32.6411, -12.7415, 7.1394</a>

# Details

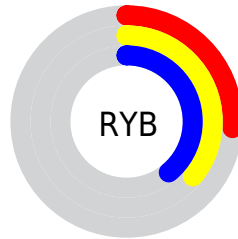
The YIQ color **86.9240, -12.0100, -13.6260** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **79.0760, 12.0100, 13.6260**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.0980, -12.5600, -14.6720**, and **40.8640, -11.7810, -12.2690** is the 20% darker color. If you saturate the color by 10%, you get **83.1360, -15.7230, -17.9230**, and if you desaturate by 10%, it is **90.7120, -8.2970, -9.3290**.

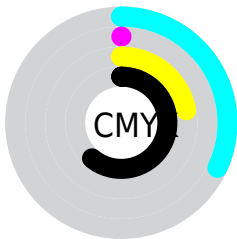
# Distribution



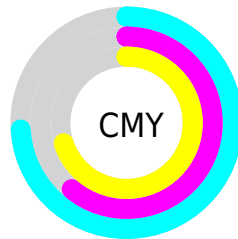
- Red (26%)
- Green (39%)
- Blue (30%)



- Red (26%)
- Yellow (36%)
- Blue (39%)



- Cyan (32%)
- Magenta (0%)
- Yellow (22%)
- Black (61%)



- Cyan (74%)
- Magenta (61%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 86.9240, -12.0100, -13.6260 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 86.9240, -12.0100, -13.6260 by changing the saturation by 10% instead.



■ 86.9240, -12.0100,  
-13.6260

■ 86.9240, -12.0100,  
-13.6260

■ 255.0000, -0.0000,  
-0.0000

■ 63.3370, -11.7350,  
-13.1030

■ 137.0980,  
-12.5600, -14.6720

■ 40.8640, -11.7810,  
-12.2690

■ 163.6850,  
-12.8350, -15.1950

■ 19.3370, -11.7350,  
-13.1030

■ 190.6850,  
-12.8350, -15.1950

■ 0.0000, 0.0000,  
0.0000

■ 218.2720,  
-13.1100, -15.7180

■ 243.3370,  
-11.7350, -13.1030

254.4020, -1.1920,

-0.4240

■ 86.9240, -12.0100,  
-13.6260

■ 86.9240, -12.0100,  
-13.6260

■ 83.1360, -15.7230,  
-17.9230

■ 90.7120, -8.2970,  
-9.3290

■ 79.3480, -19.4360,  
-22.2200

■ 94.5000, -4.5840,  
-5.0320

■ 75.6740, -23.4700,  
-26.2060

■ 98.1740, -0.5500,  
-1.0460

■ 71.8860, -27.1830,  
-30.5030

■ 101.9620, 3.1630,  
3.2510

■ 68.0980, -30.8960,  
-34.8000

■ 105.4510, 6.2800,  
7.3360

■ 64.6090, -34.0130,  
-38.8850

■ 109.2390, 9.9930,  
11.6330

■ 61.6470, -37.1760,  
-42.1360

■ 113.0270, 13.7060,  
15.9300

■ 116.7010, 17.7400,  
19.9160

■ 120.4890, 21.4530,  
24.2130

# Harmonies

## Analogous

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



89.1770, 3.3950, -11.9730



86.9240, -12.0100, -13.6260



84.2520, -27.5530, -12.7770

# Triad

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



86.9240, -12.0100, -13.6260



90.3260, -21.2290, 4.7790



93.2760, 25.7660, 6.6140

# Complementary

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



86.9240, -12.0100, -13.6260



79.0760, 12.0100, 13.6260

# 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.



93.8120, 21.5010, 12.3250



86.9240, -12.0100, -13.6260



93.2250, -4.5870, 11.5490

# Square

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



86.9240, -12.0100, -13.6260



86.0530, -33.8820, -2.6980



94.5920, 10.4970, 13.5130



92.2770, 24.0250, -0.3830



# Rectangle

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



86.9240, -12.0100, -13.6260



83.2990, -34.9350, -11.1510



94.5920, 10.4970, 13.5130



93.5580, 25.0320, 8.9040

# Sweetspot

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



86.9240, -12.0100, -13.6260



123.0870, -4.8590, -5.5550



92.3620, 4.3120, -12.0720



60.9240, -2.8420, -3.5620



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000



# Same Dimension

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



86.9240, -12.0100, -13.6260



109.0600, -18.5650, -21.4850



88.7480, -17.1460, -8.6500



46.4620, -1.4210, -1.7810



69.7340, -42.0350, -47.6910



149.4300, -90.0750, -102.1950



# Inverse Universe

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



79.0760, 12.0100, 13.6260



96.8260, 18.8860, 21.1740



77.2520, 17.1460, 8.6500



45.5380, 1.4210, 1.7810



42.2660, 42.0350, 47.6910

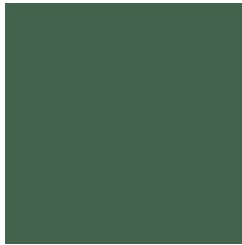


90.5700, 90.0750, 102.1950



# Previews

## White Background



This preview shows how the YIQ color 86.9240, -12.0100, -13.6260 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 86.9240, -12.0100, -13.6260 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 86.9240, -12.0100, -13.6260**

## **Background**



This preview shows how black text looks on a background with the YIQ color 86.9240, -12.0100, -13.6260.



This preview shows how white text looks on a background with the YIQ color 86.9240, -12.0100,

-13.6260.

# 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

86.9240, -12.0100, -13.6260

### Protanopia

90.7420, 9.3540, -4.3260

### Deuteranopia

92.0570, 13.0210, 0.8050



## Tritanopia

89.0350, -16.2760, -2.3880

# Trichromacy



## Original Color

86.9240, -12.0100, -13.6260

## Protanomaly

89.3280, 1.6520, -7.9160

## Deuteranomaly

90.1050, 3.8980, -4.5660

## Tritanomaly

87.9980, -14.8540, -6.1340

# Monochromacy



## Original Color

86.9240, -12.0100, -13.6260

## Achromatopsia

87.0000, -0.0000, -0.0000

## Achromatomaly

86.7990, -3.9880, -4.8200

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 86.9240, -12.0100, -13.6260 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, 99, 77)` looks like.

```
.text, #text, p{  
    color:rgb(67, 99, 77)  
}
```

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, 99, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 99, 77) }
```

## Border

The CSS property to change the border of an element to YIQ 86.9240, -12.0100, -13.6260 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, 99, 77) }
```



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

```
.border{ border-color:rgb(67, 99, 77) }
```

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

Here you see how a box with a 4 pixel rgb(67, 99, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 99, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 99, 77);  
box-shadow:4px 4px 4px 4px rgb(67, 99, 77)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 86.9240, -12.0100, -13.6260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 99, 77) }
```

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

```
.background{ background-color: rgb(67, 99,  
77) }
```

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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