

# Converting Colors

YIQ(87.9440, -66.3470, 18.4930)

Have a look what the booklet for  
YIQ(87.9440, -66.3470, 18.4930)  
contains.

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# Color

**YIQ(87.9440, -66.3470,  
18.4930)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	245EC1
RGB	36, 94, 193
RGB Percent	14%, 37%, 76%
CMY	0.8588, 0.6313, 0.2435
CMYK	0.81, 0.51, 0.00, 0.24
HSL	218°, 69%, 45%
HSV	218°, 81%, 76%
XYZ	14.3477, 12.2309, 52.0060
YIQ	87.9440, -66.3470, 18.4930

# Conversions

## Conversions Part 2

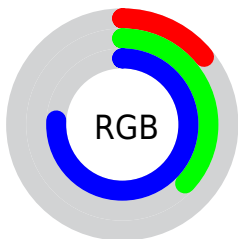
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 78, 193
Decimal	2383553
CIE <sub>Lab</sub>	41.58, 18.03, -57.06
CIE <sub>LCh</sub>	42, 59.842, 287.539
Yxy	12.2309, 0.1826, 0.1556
Android (android.graphics.Color)	4280573633 (0xFF245EC1)
YUV	87.9440, 51.7926, -45.5549
Hunter-Lab	34.9727, 12.0284, -63.6860

# Details

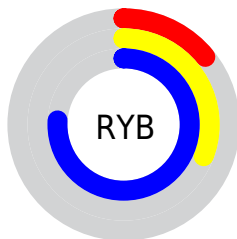
The YIQ color **87.9440, -66.3470, 18.4930** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **141.0560, 66.3470, -18.4930**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **145.0210, -56.0780, 25.1220**, and **44.4950, -57.7730, 17.2910** is the 20% darker color. If you saturate the color by 10%, you get **75.2190, -74.3710, 20.7410**, and if you desaturate by 10%, it is **100.6690, -58.3230, 16.2450**.

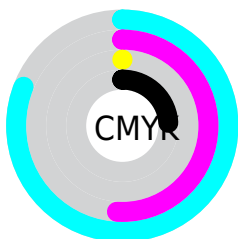
# Distribution



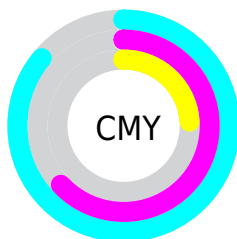
- Red (14%)
- Green (37%)
- Blue (76%)



- Red (14%)
- Yellow (31%)
- Blue (76%)



- Cyan (81%)
- Magenta (51%)
- Yellow (0%)
- Black (24%)



- Cyan (86%)
- Magenta (63%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 87.9440, -66.3470, 18.4930 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 87.9440, -66.3470, 18.4930 by changing the saturation by 10% instead.



■ 87.9440, -66.3470,  
18.4930

■ 87.9440, -66.3470,  
18.4930

■ 255.0000, -0.0000,  
-0.0000

■ 60.4870, -72.4900,  
14.1820

■ 145.0210,  
-56.0780, 25.1220

■ 44.4950, -57.7730,  
17.2910

■ 169.8230,  
-46.9530, 19.4390

■ 30.3780, -44.2020,  
19.1420

■ 194.6420,  
-36.4980, 11.6780

■ 12.2660, -29.0270,  
24.9650

■ 220.0480,  
-26.3180, 3.3940

■ 10.7040, -21.8730,  
16.4550

■ 246.0410,  
-16.4130, -5.4130

■ 6.3210, -13.6650,  
10.8710

■ 2.6390, -6.0530,

5.0750

■ 0.0000, 0.0000,  
0.0000

■ 87.9440, -66.3470,  
18.4930

■ 87.9440, -66.3470,  
18.4930

■ 75.2190, -74.3710,  
20.7410

■ 100.6690,  
-58.3230, 16.2450

■ 63.6790, -81.4780,  
22.8900

■ 113.6930,  
-49.7030, 14.2090

■ 126.4180,  
-41.6790, 11.9610

■ 139.7300,  
-33.9300, 9.1900

■ 152.4550,  
-25.9060, 6.9420

■ 165.4790,  
-17.2860, 4.9060

■ 178.2040, -9.2620,  
2.6580

■ 190.9290, -1.2380,  
0.4100

■ 203.9530, 7.3820,  
-1.6260

# Harmonies

## Analogous

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



86.8000, -92.8450, 3.1150



87.9440, -66.3470, 18.4930



100.2650, 8.2450, 43.3250

# Triad

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



87.9440, -66.3470, 18.4930



91.1230, 74.5490, 9.0850



77.8160, -56.5250, -38.3890

# Complementary

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



87.9440, -66.3470, 18.4930



141.0560, 66.3470, -18.4930

# 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.



75.7050, -25.8960, -48.3280



87.9440, -66.3470, 18.4930



92.3200, 56.8560, -17.1920

# Square

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



87.9440, -66.3470, 18.4930



87.8780, 75.0020, 39.4340



89.1430, 25.9570, -35.4110



84.8040, -73.4460, -23.5740



# Rectangle

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



87.9440, -66.3470, 18.4930



95.4770, 40.0630, 50.3910



89.1430, 25.9570, -35.4110



75.2910, -50.7930, -43.1530

# Sweetspot

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



87.9440, -66.3470, 18.4930



209.7540, -25.3100, 7.1540



139.2170, -74.3120, -51.9440



100.7350, -15.1310, 4.3970



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



87.9440, -66.3470, 18.4930



86.3470, -103.6700, 28.6020



59.2800, -39.6690, 52.6430



90.4880, -4.3100, 1.0180



52.9870, -67.9060, 19.2140



10.8060, -13.8930, 3.9870



# Inverse Universe

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



89.5550, 74.9540, 51.3220



88.6290, 116.8090, 80.2410



169.7200, 39.6690, -52.6430



90.4460, 4.6760, 3.3640



54.8650, 77.0170, 52.4810



11.2350, 15.8160, 10.7280



# Previews

## White Background



This preview shows how the YIQ color 87.9440, -66.3470, 18.4930 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 87.9440, -66.3470, 18.4930 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

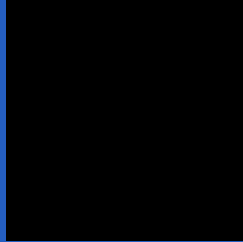
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 87.9440, -66.3470, 18.4930

## Background



This preview shows how black text looks on a background with the YIQ color 87.9440, -66.3470, 18.4930.



This preview shows how white text looks on a background with the YIQ color 87.9440, -66.3470,



# 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

87.9440, -66.3470, 18.4930

### Protanopia

87.3460, -67.5390, 18.0690

### Deuteranopia

78.5360, -83.3540, 1.8140



## Tritanopia

76.6200, -66.9360, -20.4080

# Trichromacy



## Original Color

87.9440, -66.3470, 18.4930

## Protanomaly

87.6450, -66.9430, 18.2810

## Deuteranomaly

82.0470, -77.3030, 7.7930

## Tritanomaly

80.7640, -66.8010, -6.3290

# Monochromacy



## Original Color

87.9440, -66.3470, 18.4930

## Achromatopsia

88.0000, -0.0000, -0.0000

## Achromatomaly

87.8250, -24.0720, 6.7440

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 87.9440, -66.3470, 18.4930 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(36, 94, 193)` looks like.

```
.text, #text, p{  
    color:rgb(36, 94, 193)  
}
```

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(36, 94, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 94, 193) }
```

## Border

The CSS property to change the border of an element to YIQ 87.9440, -66.3470, 18.4930 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(36, 94, 193) }
```



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

```
.border{ border-color:rgb(36, 94, 193) }
```

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

Here you see how a box with a 4 pixel rgb(36, 94, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 94, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 94, 193);  
box-shadow:4px 4px 4px 4px rgb(36, 94,  
193) }
```

# Background

The CSS property to change the background color of an element to YIQ 87.9440, -66.3470, 18.4930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 94, 193) }
```

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

```
.background{ background-color: rgb(36, 94,  
193) }
```

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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