

# Converting Colors

YIQ(81.7440, -53.7400, 26.8040)

Have a look what the booklet for  
YIQ(81.7440, -53.7400, 26.8040)  
contains.

<b>YIQ(81.7440, -53.7400, 26.8040)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(81.7440, -53.7400,  
26.8040)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F4FBB
RGB	47, 79, 187
RGB Percent	18%, 31%, 73%
CMY	0.8157, 0.6901, 0.2670
CMYK	0.75, 0.58, 0.00, 0.27
HSL	226°, 60%, 46%
HSV	226°, 75%, 73%
XYZ	12.9307, 9.7828, 48.1780
YIQ	81.7440, -53.7400, 26.8040

# Conversions

## Conversions Part 2

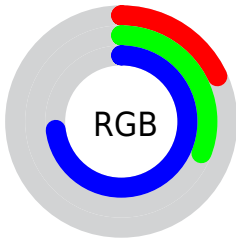
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	47, 73, 187
Decimal	3100603
CIE Lab	37.45, 26.77, -60.25
CIE LCh	37, 65.927, 293.957
Yxy	9.7828, 0.1824, 0.1380
Android (android.graphics.Color)	4281290683 (0xFF2F4FBB)
YUV	81.7440, 51.8912, -30.4705
Hunter-Lab	31.2775, 19.0594, -69.4323

# Details

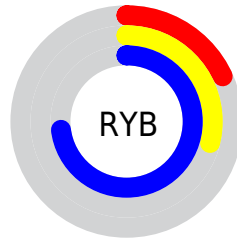
The YIQ color **81.7440, -53.7400, 26.8040** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **152.2560, 53.7400, -26.8040**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **136.7390, -46.1760, 32.8960**, and **36.2940, -52.5930, 22.5350** is the 20% darker color. If you saturate the color by 10%, you get **67.8450, -61.2140, 30.0980**, and if you desaturate by 10%, it is **95.6430, -46.2660, 23.5100**.

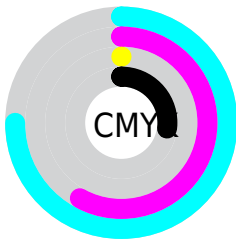
# Distribution



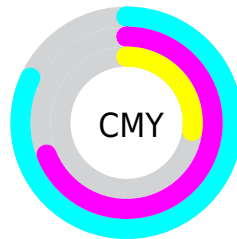
- Red (18%)
- Green (31%)
- Blue (73%)



- Red (18%)
- Yellow (29%)
- Blue (73%)



- Cyan (75%)
- Magenta (58%)
- Yellow (0%)
- Black (27%)



- Cyan (82%)
- Magenta (69%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 81.7440, -53.7400, 26.8040 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 81.7440, -53.7400, 26.8040 by changing the saturation by 10% instead.



■ 81.7440, -53.7400,  
26.8040

■ 81.7440, -53.7400,  
26.8040

■ 255.0000, -0.0000,  
-0.0000

■ 51.5850, -66.7140,  
19.6380

■ 136.7390,  
-46.1760, 32.8960

■ 36.2940, -52.5930,  
22.5350

■ 162.2250,  
-38.9770, 29.0790

■ 22.7640, -39.2970,  
23.8630

■ 186.1580,  
-28.8430, 21.6290

■ 9.3480, -26.3220,  
25.5020

■ 211.5640,  
-18.6630, 13.3450

■ 9.5470, -19.9930,  
15.4230

■ 236.9700, -8.4830,  
5.0610

■ 5.1640, -11.7850,  
9.8390

■ 1.1400, -3.2100,

3.1100

■ 0.0000, 0.0000,  
0.0000

■ 81.7440, -53.7400,  
26.8040

■ 81.7440, -53.7400,  
26.8040

■ 67.8450, -61.2140,  
30.0980

■ 95.6430, -46.2660,  
23.5100

■ 53.6580, -67.8170,  
34.1270

■ 109.8300,  
-39.6630, 19.4810

■ 46.5590, -71.8520,  
35.6680

■ 123.7290,  
-32.1890, 16.1870

■ 138.2150,  
-24.9900, 12.3700

■ 151.8150,  
-18.1120, 8.8640

■ 166.3010,  
-10.9130, 5.0470

■ 180.2000, -3.4390,  
1.7530

■ 194.0990, 4.0350,  
-1.5410

■ 208.2860, 10.6380,  
-5.5700

# Harmonies

## Analogous

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



80.4570, -90.1410, 9.1790



81.7440, -53.7400, 26.8040



86.4780, 21.1270, 52.1590

# Triad

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



81.7440, -53.7400, 26.8040



79.2170, 76.9800, 3.5720



72.5330, -54.0500, -33.6820

# Complementary

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



81.7440, -53.7400, 26.8040



152.2560, 53.7400, -26.8040

# 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.



63.8180, -33.6440, -51.0840



81.7440, -53.7400, 26.8040



83.1170, 47.1820, -18.0820

# Square

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



81.7440, -53.7400, 26.8040



66.4280, 85.3170, 45.2290



77.5590, 12.9820, -37.0500



79.3900, -71.9800, -17.1000



# Rectangle

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



81.7440, -53.7400, 26.8040



71.4180, 56.8870, 64.8790



77.5590, 12.9820, -37.0500



70.3670, -47.9510, -39.5910

# Sweetspot

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



81.7440, -53.7400, 26.8040



202.0860, -20.3130, 10.2070



141.3780, -72.8470, -39.9430



98.6430, -11.8760, 5.9800



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

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



81.7440, -53.7400, 26.8040



78.2020, -83.7280, 41.6480



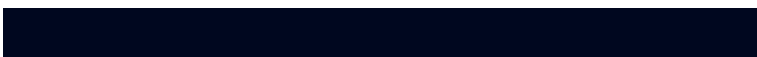
74.0230, -22.8880, 51.3840



87.2000, -3.4390, 1.7530



39.1440, -60.6180, 30.3100



7.6430, -11.8760, 5.9800



# Inverse Universe

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



92.5080, 73.1680, 39.6320



94.8820, 113.8780, 61.7660



159.9770, 22.8880, -51.3840



87.9190, 4.7220, 2.5300



51.3460, 82.6120, 44.6920



10.0670, 16.2290, 8.7490



# Previews

## White Background



This preview shows how the YIQ color 81.7440, -53.7400, 26.8040 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 ✓ Pass



# Black Background



This preview shows how the YIQ color 81.7440, -53.7400, 26.8040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 81.7440, -53.7400, 26.8040

## Background



This preview shows how black text looks on a background with the YIQ color 81.7440, -53.7400, 26.8040.



This preview shows how white text looks on a background with the YIQ color 81.7440, -53.7400,



# 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

81.7440, -53.7400, 26.8040

### Protanopia

69.7140, -80.5590, 11.7370

### Deuteranopia

70.5000, -74.5050, 1.1350



## Tritanopia

68.7950, -60.0590, -18.3870

# Trichromacy



## Original Color

81.7440, -53.7400, 26.8040

## Protanomaly

73.9650, -70.8400, 17.3200

## Deuteranomaly

74.6030, -67.1250, 10.5630

## Tritanomaly

73.1890, -57.6320, -1.7920

# Monochromacy



## Original Color

81.7440, -53.7400, 26.8040

## Achromatopsia

82.0000, 0.0000, -0.0000

## Achromatomaly

81.8580, -19.6710, 9.5850

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 81.7440, -53.7400, 26.8040 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, 79, 187)` looks like.

```
.text, #text, p{  
    color:rgb(47, 79, 187)  
}
```

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, 79, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 79, 187) }
```

## Border

The CSS property to change the border of an element to YIQ 81.7440, -53.7400, 26.8040 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, 79, 187) }
```



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

```
.border{ border-color:rgb(47, 79, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 79, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 79, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 79, 187);  
box-shadow:4px 4px 4px 4px rgb(47, 79,  
187) }
```

# Background

The CSS property to change the background color of an element to YIQ 81.7440, -53.7400, 26.8040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 79, 187) }
```

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

```
.background{ background-color: rgb(47, 79,  
187) }
```

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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