

# Converting Colors

YIQ(87.7460, -82.4440, 40.4040)

Have a look what the booklet for  
YIQ(87.7460, -82.4440, 40.4040)  
contains.

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# Color

**YIQ(87.7460, -82.4440,  
40.4040)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2254F8
RGB	34, 84, 248
RGB Percent	13%, 33%, 97%
CMY	0.8666, 0.6705, 0.0279
CMYK	0.86, 0.66, 0.00, 0.03
HSL	226°, 94%, 55%
HSV	226°, 86%, 97%
XYZ	20.7568, 13.4541, 90.2156
YIQ	87.7460, -82.4440, 40.4040

# Conversions

## Conversions Part 2

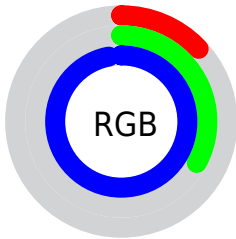
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	34, 75, 248
Decimal	2249976
CIE Lab	43.44, 44.89, -85.36
CIE LCh	43, 96.450, 297.741
Yxy	13.4541, 0.1668, 0.1081
Android (android.graphics.Color)	4280440056 (0xFF2254F8)
YUV	87.7460, 79.0052, -47.1352
Hunter-Lab	36.6798, 36.8220, -120.1504

# Details

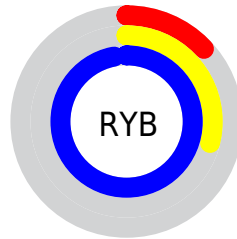
The YIQ color **87.7460, -82.4440, 40.4040** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **194.2540, 82.4440, -40.4040**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **143.3200, -46.3140, 35.3980**, and **45.1400, -71.9900, 38.1700** is the 20% darker color. If you saturate the color by 10%, you get **69.1180, -92.1190, 45.0410**, and if you desaturate by 10%, it is **106.3740, -72.7690, 35.7670**.

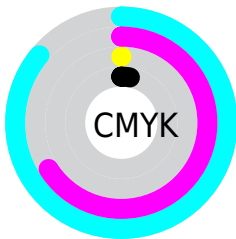
# Distribution



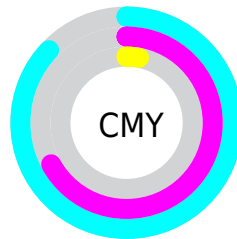
- Red (13%)
- Green (33%)
- Blue (97%)



- Red (13%)
- Yellow (29%)
- Blue (97%)



- Cyan (86%)
- Magenta (66%)
- Yellow (0%)
- Black (3%)



- Cyan (87%)
- Magenta (67%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 87.7460, -82.4440, 40.4040 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 87.7460, -82.4440, 40.4040 by changing the saturation by 10% instead.



■ 87.7460, -82.4440,  
40.4040

■ 87.7460, -82.4440,  
40.4040

■ 255.0000, -0.0000,  
-0.0000

■ 60.7730, -87.0740,  
36.2060

■ 143.9070,  
-46.5890, 34.8750

■ 45.1400, -71.9900,  
38.1700

■ 169.3350,  
-33.4750, 28.4850

■ 30.7950, -57.7770,  
39.3990

■ 194.7520,  
-21.8280, 21.1480

■ 17.1510, -44.1600,  
40.4160

■ 220.1690,  
-10.1810, 13.8110

■ 16.4210, -36.5930,  
29.9270

■ 246.7600, 0.9160,  
5.4280

■ 15.9190, -29.6680,  
20.0600

■ 10.2480, -20.5890,

15.2110

■ 5.2780, -12.1060,  
10.1500

■ 1.3680, -3.8520,  
3.7320

■ 87.7460, -82.4440,  
40.4040

■ 87.7460, -82.4440,  
40.4040

■ 69.1180, -92.1190,  
45.0410

■ 106.3740,  
-72.7690, 35.7670

■ 62.3180, -95.5580,  
46.7940

■ 125.0020,  
-63.0940, 31.1300

■ 143.3310,  
-54.0150, 26.2810

■ 161.9590,  
-44.3400, 21.6440

■ 180.5870,  
-34.6650, 17.0070

■ 199.2150,  
-24.9900, 12.3700

■ 217.8430,  
-15.3150, 7.7330

■ 236.1720, -6.2360,  
2.8840

■ 254.2020, 2.2470,  
-2.1770

# Harmonies

## Analogous

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



97.7490, -114.0300, 18.1140



87.7460, -82.4440, 40.4040



77.5730, 50.4620, 98.7340

# Triad

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



87.7460, -82.4440, 40.4040



88.7960, 97.5190, 11.3030



87.6130, -66.1990, -39.2790

# Complementary

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



87.7460, -82.4440, 40.4040



194.2540, 82.4440, -40.4040

# 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.



74.5490, -34.9250, -66.4210



87.7460, -82.4440, 40.4040



96.6950, 51.1260, -23.4820

# Square

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



87.7460, -82.4440, 40.4040



71.5640, 123.4610, 58.7970



83.0090, -6.5010, -52.9090



98.1350, -93.0710, -14.8230



# Rectangle

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



87.7460, -82.4440, 40.4040



82.2240, 87.6930, 90.2930



83.0090, -6.5010, -52.9090



83.8340, -56.9360, -47.4640

# Sweetspot

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



87.7460, -82.4440, 40.4040



205.3290, -25.3110, 12.6810



177.8580, -110.2100, -62.1620



97.8430, -15.3150, 7.7330



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



87.7460, -82.4440, 40.4040



64.2900, -98.3550, 47.9250



74.2430, -37.1060, 77.7900



115.2430, -4.9980, 2.4740



47.3740, -72.7690, 35.7670



15.1720, -23.4310, 11.6490



# Inverse Universe

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



103.6860, 111.4940, 60.9180



83.0850, 132.7200, 72.7200



207.4580, 36.5100, -78.0020



116.2290, 6.7850, 3.6890



61.5270, 98.5200, 53.7520



19.8350, 31.8620, 17.2860



# Previews

## White Background



This preview shows how the YIQ color 87.7460, -82.4440, 40.4040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

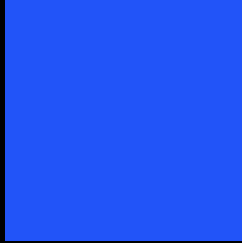
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 87.7460, -82.4440, 40.4040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

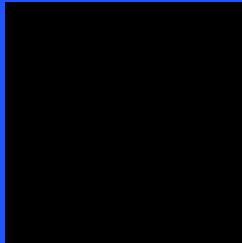
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 87.7460, -82.4440, 40.4040**

## **Background**



This preview shows how black text looks on a background with the YIQ color 87.7460, -82.4440, 40.4040.



This preview shows how white text looks on a background with the YIQ color 87.7460, -82.4440,



# 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

87.7460, -82.4440, 40.4040

### Protanopia

81.1240, -93.3970, 13.1230

### Deuteranopia

81.8130, -85.6920, 0.1320



## Tritanopia

79.8970, -69.2740, -22.0900

# Trichromacy



## Original Color

87.7460, -82.4440, 40.4040

## Protanomaly

83.4870, -89.6850, 22.9470

## Deuteranomaly

83.6690, -84.6860, 14.9460

## Tritanomaly

82.3860, -74.1840, 0.8240

# Monochromacy



## Original Color

87.7460, -82.4440, 40.4040

## Achromatopsia

88.0000, -0.0000, -0.0000

## Achromatomaly

88.0450, -30.2630, 14.3210

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 87.7460, -82.4440, 40.4040 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(34, 84, 248)` looks like.

```
.text, #text, p{  
    color:rgb(34, 84, 248)  
}
```

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(34, 84, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 84, 248) }
```

## Border

The CSS property to change the border of an element to YIQ 87.7460, -82.4440, 40.4040 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(34, 84, 248) }
```



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

```
.border{ border-color:rgb(34, 84, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 84, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 84, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 84, 248);  
box-shadow:4px 4px 4px 4px rgb(34, 84,  
248) }
```

# Background

The CSS property to change the background color of an element to YIQ 87.7460, -82.4440, 40.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 84, 248) }
```

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

```
.background{ background-color: rgb(34, 84,  
248) }
```

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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