

# Converting Colors

YIQ(83.5320, -39.7180, 70.0580)

Have a look what the booklet for  
YIQ(83.5320, -39.7180, 70.0580)  
contains.

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# Color

**YIQ(83.5320, -39.7180,  
70.0580)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5931F7
RGB	89, 49, 247
RGB Percent	35%, 19%, 97%
CMY	0.6507, 0.8079, 0.0317
CMYK	0.64, 0.80, 0.00, 0.03
HSL	252°, 92%, 58%
HSV	252°, 80%, 97%
XYZ	21.9991, 11.0324, 88.9015
YIQ	83.5320, -39.7180, 70.0580

# Conversions

## Conversions Part 2

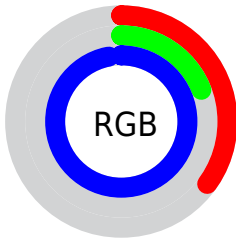
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	89, 49, 247
Decimal	5845495
CIE Lab	39.63, 67.18, -91.01
CIE LCh	40, 113.121, 306.436
Yxy	11.0324, 0.1804, 0.0905
Android (android.graphics.Color)	4284035575 (0xFF5931F7)
YUV	83.5320, 80.5897, 4.7954
Hunter-Lab	33.2150, 60.0984, -135.4419

# Details

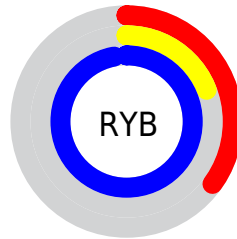
The YIQ color **83.5320, -39.7180, 70.0580** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **212.4680, 39.7180, -70.0580**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **135.8870, -16.3330, 59.2430**, and **21.5460, -60.6690, 58.7790** is the 20% darker color. If you saturate the color by 10%, you get **62.8770, -44.7630, 78.8930**, and if you desaturate by 10%, it is **104.1870, -34.6730, 61.2230**.

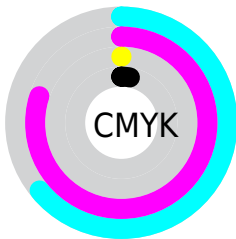
# Distribution



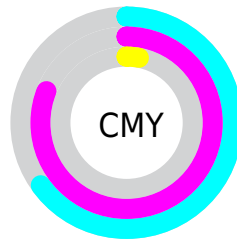
- Red (35%)
- Green (19%)
- Blue (97%)



- Red (35%)
- Yellow (19%)
- Blue (97%)



- Cyan (64%)
- Magenta (80%)
- Yellow (0%)
- Black (3%)



- Cyan (65%)
- Magenta (81%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 83.5320, -39.7180, 70.0580 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 83.5320, -39.7180, 70.0580 by changing the saturation by 10% instead.



■ 83.5320, -39.7180,  
70.0580

■ 83.5320, -39.7180,  
70.0580

■ 255.0000, -0.0000,  
-0.0000

■ 49.7590, -47.7870,  
67.6130

■ 135.8870,  
-16.3330, 59.2430

■ 21.5460, -60.6690,  
58.7790

■ 161.0050, -5.2820,  
51.6940

■ 18.3540, -51.6810,  
50.0710

■ 186.4220, 6.3650,  
44.3570

■ 15.2760, -43.0140,  
41.6740

■ 212.4260, 17.7370,  
36.4970

■ 12.7850, -34.6220,  
32.7540

■ 230.3460, 11.5500,  
21.9660

■ 15.8050, -29.3470,  
19.7490

■ 247.3690, 3.5750,

■ 9.5470, -19.9930,

6.7990

15.4230

■ 5.1640, -11.7850,  
9.8390

■ 1.1400, -3.2100,  
3.1100

■ 83.5320, -39.7180,  
70.0580

■ 83.5320, -39.7180,  
70.0580

■ 62.8770, -44.7630,  
78.8930

■ 104.1870,  
-34.6730, 61.2230

■ 43.1080, -49.4870,  
87.4170

■ 123.9560,  
-29.9490, 52.6990

■ 144.6110,  
-24.9040, 43.8640

■ 165.2660,  
-19.8590, 35.0290

■ 185.3340,  
-14.5390, 26.7170

■ 205.6900,  
-10.0900, 17.6700

■ 226.3450, -5.0450,  
8.8350

■ 247.0000, -0.0000,  
-0.0000

■ 254.0880, 2.5680,  
-2.4880

# Harmonies

## Analogous

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



90.1180, -110.4550, 24.9130



83.5320, -39.7180, 70.0580



81.7570, 70.3150, 96.8670

# Triad

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



83.5320, -39.7180, 70.0580



82.5280, 86.4700, 7.7980



84.9690, -69.7770, -29.4970

# Complementary

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



83.5320, -39.7180, 70.0580



212.4680, 39.7180, -70.0580

# 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.



70.4400, -33.0000, -62.7600



83.5320, -39.7180, 70.0580



85.9420, 31.1370, -30.1670

# Square

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



83.5320, -39.7180, 70.0580



66.0790, 131.7160, 46.8520



66.9180, -31.3500, -59.6220



97.2180, -100.1340, -2.4540



# Rectangle

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



83.5320, -39.7180, 70.0580



82.9900, 105.6670, 83.9310



66.9180, -31.3500, -59.6220



80.7340, -59.2300, -38.9260

# Sweetspot

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



83.5320, -39.7180, 70.0580



204.5420, -12.4290, 21.5150



164.3180, -107.0080, -21.0560



97.3110, -7.7050, 12.9910



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.



83.5320, -39.7180, 70.0580



52.8800, -48.8450, 86.7950



113.1330, 19.2860, 91.0460



112.2650, -2.0640, 4.3680



32.5660, -37.0580, 65.9020



10.3140, -11.7870, 20.8930



# Inverse Universe

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



126.2140, 67.2900, 91.1140



105.4850, 83.4250, 112.5850



182.8670, -19.2860, -91.0460



114.7280, 3.9420, 5.6540



72.4860, 63.3480, 85.4600

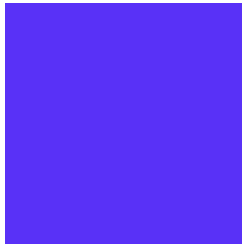


22.9990, 20.0770, 27.1250



# Previews

## White Background



This preview shows how the YIQ color 83.5320, -39.7180, 70.0580 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

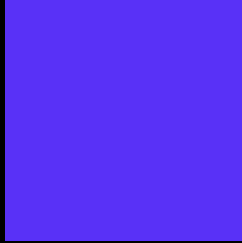
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 83.5320, -39.7180, 70.0580 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

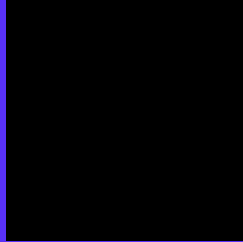
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 83.5320, -39.7180, 70.0580

## Background



This preview shows how black text looks on a background with the YIQ color 83.5320, -39.7180, 70.0580.



This preview shows how white text looks on a background with the YIQ color 83.5320, -39.7180,



# 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

83.5320, -39.7180, 70.0580

### Protanopia

73.6750, -84.8230, 11.9210

### Deuteranopia

74.0050, -77.4850, 0.0750



## Tritanopia

73.1150, -63.9560, -19.3480

# Trichromacy



## Original Color

83.5320, -39.7180, 70.0580

## Protanomaly

76.8320, -68.3670, 33.0810

## Deuteranomaly

77.2420, -64.0100, 25.7020

## Tritanomaly

76.5290, -55.1130, 13.1350

# Monochromacy



## Original Color

83.5320, -39.7180, 70.0580

## Achromatopsia

84.0000, -0.0000, -0.0000

## Achromatomaly

83.6930, -14.1720, 25.5720

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 83.5320, -39.7180, 70.0580 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(89, 49, 247)` looks like.

```
.text, #text, p{  
    color:rgb(89, 49, 247)  
}
```

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(89, 49, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 49, 247) }
```

## Border

The CSS property to change the border of an element to YIQ 83.5320, -39.7180, 70.0580 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(89, 49, 247) }
```



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

```
.border{ border-color:rgb(89, 49, 247) }
```

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

Here you see how a box with a 4 pixel rgb(89, 49, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 49, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 49, 247);  
box-shadow:4px 4px 4px 4px rgb(89, 49,  
247) }
```

# Background

The CSS property to change the background color of an element to YIQ 83.5320, -39.7180, 70.0580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 49, 247) }
```

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

```
.background{ background-color: rgb(89, 49,  
247) }
```

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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