

# Converting Colors

YIQ(47.5990, -85.3830, 66.1450)

Have a look what the booklet for  
YIQ(47.5990, -85.3830, 66.1450)  
contains.

<b>YIQ(47.5990, -85.3830, 66.1450)</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(47.5990, -85.3830,  
66.1450)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	071CFF
RGB	7, 28, 255
RGB Percent	3%, 11%, 100%
CMY	0.9722, 0.8902, 0.0005
CMYK	0.97, 0.89, 0.00, 0.00
HSL	235°, 100%, 51%
HSV	235°, 97%, 100%
XYZ	18.5323, 8.0878, 95.0813
YIQ	47.5990, -85.3830, 66.1450

# Conversions

## Conversions Part 2

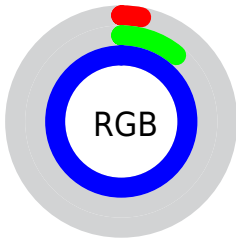
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	7, 26, 255
Decimal	466175
CIE <sub>Lab</sub>	34.17, 73.71, -104.67
CIE <sub>LCh</sub>	34, 128.020, 305.151
Yxy	8.0878, 0.1523, 0.0665
Android (android.graphics.Color)	4278656255 (0xFF071CFF)
YUV	47.5990, 102.2487, -35.6053
Hunter-Lab	28.4391, 66.5506, -178.3188




# Details

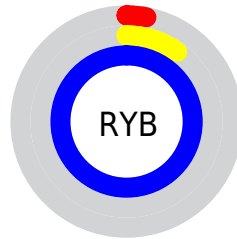
The YIQ color **47.5990, -85.3830, 66.1450** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **214.4010, 85.3830, -66.1450**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **114.5570, -32.8390, 61.0250**, and **22.3440, -62.9160, 60.9560** is the 20% darker color. If you saturate the color by 10%, you get **41.3970, -87.6300, 68.3220**, and if you desaturate by 10%, it is **68.8740, -76.2120, 59.6280**.

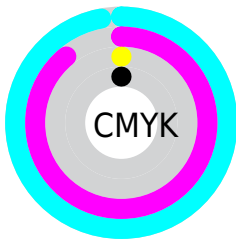
# Distribution







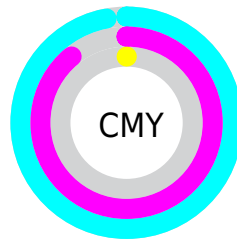
-  Red (3%)
-  Green (11%)
-  Blue (100%)






-  Red (3%)
-  Yellow (10%)
-  Blue (100%)



-  Cyan (97%)
-  Magenta (89%)
-  Yellow (0%)
-  Black (0%)



-  Cyan (97%)
-  Magenta (89%)
-  Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 47.5990, -85.3830, 66.1450 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 47.5990, -85.3830, 66.1450 by changing the saturation by 10% instead.



■ 47.5990, -85.3830,  
66.1450

■ 47.5990, -85.3830,  
66.1450

■ 255.0000, -0.0000,  
-0.0000

■ 25.6500, -72.2250,  
69.9750

■ 114.5570,  
-32.8390, 61.0250

■ 22.3440, -62.9160,  
60.9560

■ 140.5830,  
-18.5330, 55.0590

■ 19.1520, -53.9280,  
52.2480

■ 167.1850, -5.9690,  
47.6230

■ 15.9600, -44.9400,  
43.5400

■ 192.9010, 6.2740,  
40.4980

■ 22.2740, -40.6730,  
26.7750

■ 218.6060, 17.0500,  
32.4260

■ 17.0760, -31.5480,  
21.0920


■ 235.6290, 9.0750,


■ 11.2910, -22.1480,


17.2590


15.9320


 252.6520, 1.1000,  
2.0920


 6.4350, -13.9860,  
11.1820


 2.6390, -6.0530,  
5.0750


 47.5990, -85.3830,  
66.1450


 47.5990, -85.3830,  
66.1450

 41.3970, -87.6300,  
68.3220

 68.8740, -76.2120,  
59.6280

 90.4370, -67.9120,  
52.3760

 111.7120,  
-58.7410, 45.8590

 132.6880,  
-50.1660, 39.1300

■ 154.5500,  
-41.2700, 32.0900

■ 175.5260,  
-32.6950, 25.3610

■ 196.8010,  
-23.5240, 18.8440

■ 218.3640,  
-15.2240, 11.5920

■ 239.3400, -6.6490,  
4.8630

# Harmonies

## Analogous

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



86.0090, -108.5300, 28.5740



47.5990, -85.3830, 66.1450



79.6640, 66.1430, 95.3830

# Triad

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



47.5990, -85.3830, 66.1450



59.5910, 91.3270, 24.4070



75.0410, -61.1120, -26.8400

# Complementary

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



47.5990, -85.3830, 66.1450



214.4010, 85.3830, -66.1450

# 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.



62.2220, -29.1500, -55.4380



47.5990, -85.3830, 66.1450



74.1250, 26.3680, -26.3360

# Square

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



47.5990, -85.3830, 66.1450



64.5840, 128.7360, 45.7920



59.2870, -27.7750, -52.8230



89.1310, -95.2750, 3.1010



# Rectangle

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



47.5990, -85.3830, 66.1450



81.2950, 106.1260, 81.1180



59.2870, -27.7750, -52.8230



70.3500, -49.2810, -37.5130

# Sweetspot

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



47.5990, -85.3830, 66.1450



192.9580, -25.4040, 19.8760



177.9980, -139.7830, -60.3510



90.4780, -15.5450, 11.9030



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.



47.5990, -85.3830, 66.1450



41.9840, -87.9050, 67.7990



64.8730, -20.6040, 98.1160



117.0690, -4.4480, 3.5200



31.1660, -65.7110, 51.0330



10.2310, -21.9190, 17.2890



# Inverse Universe

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



83.5460, 141.0670, 59.1070



78.7530, 144.9180, 60.9020



197.1270, 20.6040, -98.1160



119.0010, 7.4270, 3.0670



58.9330, 108.7000, 45.4680

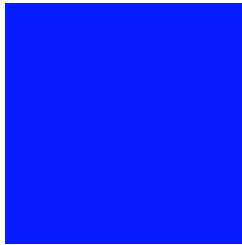


19.7060, 36.5390, 15.1230



# Previews

## White Background



This preview shows how the YIQ color 47.5990, -85.3830, 66.1450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

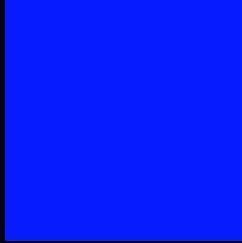
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 47.5990, -85.3830, 66.1450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

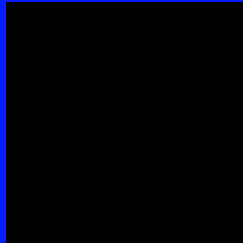
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 47.5990, -85.3830, 66.1450

## Background



This preview shows how black text looks on a background with the YIQ color 47.5990, -85.3830, 66.1450.



This preview shows how white text looks on a background with the YIQ color 47.5990, -85.3830,



# 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

47.5990, -85.3830, 66.1450

### Protanopia

63.5530, -72.8560, 9.8000

### Deuteranopia

63.7520, -66.5270, -0.2790



## Tritanopia

62.8450, -54.3280, -17.6240

# Trichromacy



## Original Color

47.5990, -85.3830, 66.1450

## Protanomaly

57.7600, -77.0320, 30.4240

## Deuteranomaly

57.8110, -73.0420, 24.1900

## Tritanomaly

57.5540, -65.4290, 12.8670

# Monochromacy



## Original Color

47.5990, -85.3830, 66.1450

## Achromatopsia

48.0000, -0.0000, 0.0000

## Achromatomaly

47.9560, -31.0900, 23.8060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 47.5990, -85.3830, 66.1450 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(7, 28, 255)` looks like.

```
.text, #text, p{  
    color:rgb(7, 28, 255)  
}
```

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(7, 28, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 28, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 47.5990, -85.3830, 66.1450 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(7, 28, 255) }
```



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

```
.border{ border-color:rgb(7, 28, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 28, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 28, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 28, 255);  
box-shadow:4px 4px 4px 4px rgb(7, 28, 255)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 47.5990, -85.3830, 66.1450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 28, 255) }
```

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

```
.background{ background-color: rgb(7, 28,  
255) }
```

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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