

# Converting Colors

YIQ(65.8600, -46.0930, 80.9710)

Have a look what the booklet for  
YIQ(65.8600, -46.0930, 80.9710)  
contains.

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# Color

**YIQ(65.8600, -46.0930,  
80.9710)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	481AFF
RGB	72, 26, 255
RGB Percent	28%, 10%, 100%
CMY	0.7173, 0.8982, 0.0004
CMYK	0.72, 0.90, 0.00, 0.00
HSL	252°, 100%, 55%
HSV	252°, 90%, 100%
XYZ	21.0815, 9.3322, 95.2204
YIQ	65.8600, -46.0930, 80.9710

# Conversions

## Conversions Part 2

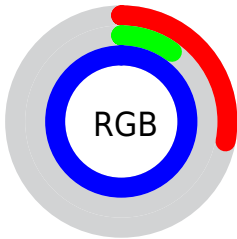
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	72, 26, 255
Decimal	4725503
CIE Lab	36.62, 75.87, -100.54
CIE LCh	37, 125.953, 307.038
Yxy	9.3322, 0.1678, 0.0743
Android (android.graphics.Color)	4282915583 (0xFF481AFF)
YUV	65.8600, 93.2460, 5.3848
Hunter-Lab	30.5487, 69.7215, -163.4230

# Details

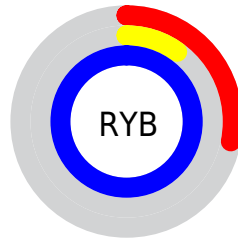
The YIQ color **65.8600, -46.0930, 80.9710** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **215.1400, 46.0930, -80.9710**, and the grayscale version is **65.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **122.9180, -17.6180, 66.0140**, and **22.3440, -62.9160, 60.9560** is the 20% darker color. If you saturate the color by 10%, you get **44.6180, -50.8630, 90.3290**, and if you desaturate by 10%, it is **86.5150, -41.0480, 72.1360**.

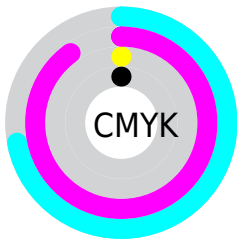
# Distribution



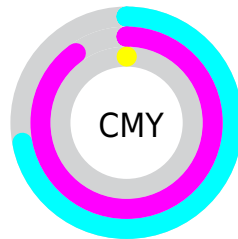
- Red (28%)
- Green (10%)
- Blue (100%)



- Red (28%)
- Yellow (10%)
- Blue (100%)



- Cyan (72%)
- Magenta (90%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (90%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 65.8600, -46.0930, 80.9710 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 65.8600, -46.0930, 80.9710 by changing the saturation by 10% instead.



■ 65.8600, -46.0930,  
80.9710

■ 65.8600, -46.0930,  
80.9710

■ 255.0000, -0.0000,  
-0.0000

■ 25.6500, -72.2250,  
69.9750

■ 122.9180,  
-17.6180, 66.0140

■ 22.3440, -62.9160,  
60.9560

■ 149.2210, -5.6500,  
58.3660

■ 19.1520, -53.9280,  
52.2480

■ 175.5240, 6.3180,  
50.7180

■ 15.9600, -44.9400,  
43.5400

■ 200.9410, 17.9650,  
43.3810

■ 17.1050, -38.5190,  
31.7930

■ 220.9540, 15.9500,  
30.3340

■ 17.0760, -31.5480,  
21.0920

■ 237.9770, 7.9750,

■ 11.4050, -22.4690,

15.1670

16.2430

■ 6.4350, -13.9860,  
11.1820

■ 2.7530, -6.3740,  
5.3860

■ 65.8600, -46.0930,  
80.9710

■ 65.8600, -46.0930,  
80.9710

■ 44.6180, -50.8630,  
90.3290

■ 86.5150, -41.0480,  
72.1360

■ 44.3190, -51.4590,  
90.1170

■ 108.0560,  
-35.6820, 62.9900

■ 128.7110,  
-30.6370, 54.1550

■ 150.2520,  
-25.2710, 45.0090

■ 170.9070,  
-20.2260, 36.1740

■ 192.1490,  
-15.4560, 26.8160

■ 213.1030, -9.8150,  
18.1930

■ 234.3450, -5.0450,  
8.8350

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



87.7700, -109.3550, 27.0050



65.8600, -46.0930, 80.9710



82.8390, 73.0200, 97.4040

# Triad

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



65.8600, -46.0930, 80.9710



72.2280, 87.6150, 14.5830



80.5180, -66.8890, -26.7690

# Complementary

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



65.8600, -46.0930, 80.9710



215.1400, 46.0930, -80.9710

# 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.



66.3310, -31.0750, -59.0990



65.8600, -46.0930, 80.9710



78.5330, 25.0390, -29.7850

# Square

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



65.8600, -46.0930, 80.9710



66.0790, 131.7160, 46.8520



63.3960, -29.7000, -56.4840



94.3800, -100.4100, 2.5500



# Rectangle

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



65.8600, -46.0930, 80.9710



83.3880, 110.2980, 82.6020



63.3960, -29.7000, -56.4840



75.8270, -55.0580, -37.4420

# Sweetspot

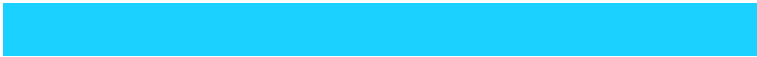
The Sweet Spot groups the original color and five complimentary colors.



65.8600, -46.0930, 80.9710



198.0520, -13.8050, 24.4270



159.5270, -123.8340, -24.4900



94.0660, -8.3930, 14.4470



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.



65.8600, -46.0930, 80.9710



44.3190, -51.4590, 90.1170



99.9460, 21.8510, 105.1390



117.0800, -2.9810, 4.4670



33.4350, -38.0670, 67.6690



11.1830, -12.7960, 22.6600



# Inverse Universe

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



115.3330, 77.7410, 105.4610



99.5010, 86.4960, 117.5040



181.0540, -21.8510, -105.1390



120.0270, 4.5380, 5.8660



74.5510, 64.7230, 88.0750

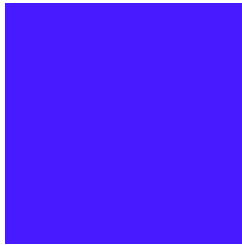


24.9500, 21.7730, 29.4290



# Previews

## White Background



This preview shows how the YIQ color 65.8600, -46.0930, 80.9710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

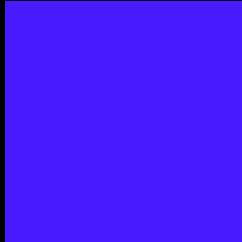
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 65.8600, -46.0930, 80.9710 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 65.8600, -46.0930, 80.9710

## Background



This preview shows how black text looks on a background with the YIQ color 65.8600, -46.0930, 80.9710.



This preview shows how white text looks on a background with the YIQ color 65.8600, -46.0930,



# 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

65.8600, -46.0930, 80.9710

### Protanopia

68.4430, -78.3580, 10.3940

### Deuteranopia

68.4140, -71.3870, -0.3070



## Tritanopia

67.1650, -58.2250, -18.5850

# Trichromacy



## Original Color

65.8600, -46.0930, 80.9710

## Protanomaly

67.3100, -66.7170, 36.2190

## Deuteranomaly

67.1330, -62.0850, 29.3630

## Tritanomaly

66.6480, -53.8300, 17.4180

# Monochromacy



## Original Color

65.8600, -46.0930, 80.9710

## Achromatopsia

66.0000, -0.0000, -0.0000

## Achromatomaly

65.6590, -16.8320, 29.7280

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 65.8600, -46.0930, 80.9710 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(72, 26, 255)` looks like.

```
.text, #text, p{  
    color:rgb(72, 26, 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(72, 26, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 26, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 65.8600, -46.0930, 80.9710 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(72, 26, 255) }
```



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

```
.border{ border-color:rgb(72, 26, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 26, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 26, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 26, 255);  
box-shadow:4px 4px 4px 4px rgb(72, 26,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 65.8600, -46.0930, 80.9710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 26, 255) }
```

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

```
.background{ background-color: rgb(72, 26,  
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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