

# Converting Colors

YIQ(128.4180, 75.2230, 85.0070)

Have a look what the booklet for  
YIQ(128.4180, 75.2230, 85.0070)  
contains.

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# **Color**

**YIQ(128.4180, 75.2230,  
85.0070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD35BE
RGB	253, 53, 190
RGB Percent	99%, 21%, 75%
CMY	0.0073, 0.7924, 0.2547
CMYK	0.00, 0.79, 0.25, 0.01
HSL	319°, 98%, 60%
HSV	319°, 79%, 99%
XYZ	51.1291, 27.1679, 51.2925
YIQ	128.4180, 75.2230, 85.0070

# Conversions

## Conversions Part 2

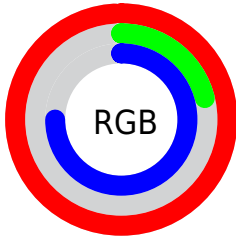
Format	Color
R <sub>YB</sub>	253, 53, 190
Decimal	16594366
CIE <sub>Lab</sub>	59.13, 82.81, -26.08
CIE <sub>LCh</sub>	59, 86.820, 342.516
Yxy	27.1679, 0.3945, 0.2096
Android (android.graphics.Color)	4294784446 (0xFFFD35BE)
YUV	128.4180, 30.3599, 109.2584
Hunter-Lab	52.1229, 83.8815, -21.8594

# Details

The YIQ color **128.4180, 75.2230, 85.0070** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **177.5820, -75.2230, -85.0070**, and the grayscale version is **128.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **175.4300, 39.4180, 67.5940**, and **72.9120, 70.7760, 83.0000** is the 20% darker color. If you saturate the color by 10%, you get **112.8310, 84.6660, 95.5940**, and if you desaturate by 10%, it is **144.0050, 65.7800, 74.4200**.

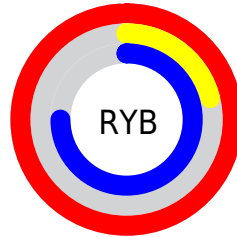
# Distribution



Red (99%)

Green (21%)

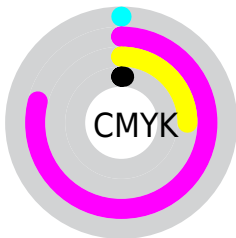
Blue (75%)



Red (99%)

Yellow (21%)

Blue (75%)

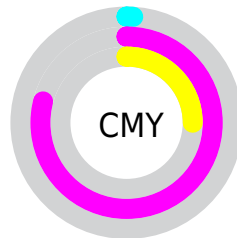


Cyan (0%)

Magenta (79%)

Yellow (25%)

Black (1%)



Cyan (1%)

Magenta (79%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 128.4180, 75.2230, 85.0070 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 128.4180, 75.2230, 85.0070 by changing the saturation by 10% instead.




 128.4180, 75.2230,  
85.0070


 128.4180, 75.2230,  
85.0070


255.0000, -0.0000,  
-0.0000


 84.9600, 79.9890,  
97.7570


 175.4300, 39.4180,  
67.5940


 72.9120, 70.7760,  
83.0000


 194.5390, 28.3250,  
53.8690

 61.0920, 60.9210,  
68.8650


 212.1490, 20.0750,  
38.1790

 49.2720, 51.0660,  
54.7300

 229.7590, 11.8250,  
22.4890

 37.6800, 40.5690,  
41.2170

 247.9560, 3.3000,  
6.2760

 27.0990, 31.5390,  
28.6510

 15.5070, 21.0420,

15.1380

■ 0.0000, 0.0000,  
0.0000

■ 128.4180, 75.2230,  
85.0070

■ 128.4180, 75.2230,  
85.0070

■ 112.8310, 84.6660,  
95.5940

■ 144.0050, 65.7800,  
74.4200

■ 96.6570, 94.3840,  
106.7040

■ 160.1790, 56.0620,  
63.3100

■ 95.3690, 95.2550,  
107.4390

■ 175.7660, 46.6190,  
52.7230

■ 191.3530, 37.1760,  
42.1360

■ 207.5270, 27.4580,  
31.0260

■ 223.1140, 18.0150,  
20.4390

■ 238.7010, 8.5720,  
9.8520

254.2880, -0.8710,  
-0.7350

254.4020, -1.1920,  
-0.4240

# Harmonies

## Analogous

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



144.5360, -1.9830, 63.4970



128.4180, 75.2230, 85.0070



108.0250, 106.5860, 72.7780

# Triad

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



128.4180, 75.2230, 85.0070



130.2200, 44.2530, -47.6110



129.4810, -126.2200, -14.2840

# Complementary

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



128.4180, 75.2230, 85.0070



177.5820, -75.2230, -85.0070

# 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.



122.4470, -103.6580, -37.7220



128.4180, 75.2230, 85.0070



109.4130, -20.3430, -77.3910

# Square

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



128.4180, 75.2230, 85.0070



133.8060, 90.4180, -19.7100



111.5660, -77.1530, -61.0330



125.3380, -126.9550, -6.4670



# Rectangle

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



128.4180, 75.2230, 85.0070



121.2230, 113.5150, 40.8030



111.5660, -77.1530, -61.0330



127.5600, -119.4330, -21.6490

# Sweetspot

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



128.4180, 75.2230, 85.0070



217.0270, 22.8740, 25.9940



93.7400, -28.4400, 74.9200



104.9130, 14.0270, 15.6190



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.



128.4180, 75.2230, 85.0070



104.2820, 90.9460, 102.9300



117.3600, 106.3600, 54.8400



119.7990, 5.1800, 5.2440



72.0430, 71.7850, 81.2330



24.1520, 24.0200, 27.2520



# Inverse Universe

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



128.4180, 75.2230, 85.0070



104.2820, 90.9460, 102.9300



188.6400, -106.3600, -54.8400



119.7990, 5.1800, 5.2440



72.0430, 71.7850, 81.2330



24.1520, 24.0200, 27.2520



# Previews

## White Background



This preview shows how the YIQ color 128.4180, 75.2230, 85.0070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

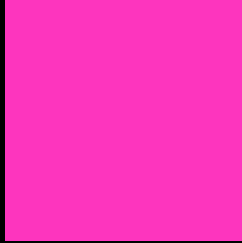
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 128.4180, 75.2230, 85.0070 looks on a black 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

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

# YIQ 128.4180, 75.2230, 85.0070

## Background



This preview shows how black text looks on a background with the YIQ color 128.4180, 75.2230, 85.0070.



This preview shows how white text looks on a background with the YIQ color 128.4180, 75.2230,



# 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

128.4180, 75.2230, 85.0070

### Protanopia

136.6760, -68.2280, 25.0520

### Deuteranopia

143.8480, -13.7110, 11.7050



## Tritanopia

134.8120, 92.5630, 35.0510

# Trichromacy



## Original Color

128.4180, 75.2230, 85.0070



## Protanomaly

133.6830, -16.2390, 46.5210



## Deuteranomaly

138.0780, 18.8370, 38.5890



## Tritanomaly

132.7690, 86.0950, 53.1590

# Monochromacy



## Original Color

128.4180, 75.2230, 85.0070



## Achromatopsia

128.0000, -0.0000, -0.0000



## Achromatomaly

128.5270, 27.4580, 31.0260

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 128.4180, 75.2230, 85.0070 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(253, 53, 190)` looks like.

```
.text, #text, p{  
    color:rgb(253, 53, 190)  
}
```

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(253, 53, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 53, 190) }
```

## Border

The CSS property to change the border of an element to YIQ 128.4180, 75.2230, 85.0070 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(253, 53, 190) }
```



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

```
.border{ border-color:rgb(253, 53, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 53, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 53, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 53, 190);  
box-shadow:4px 4px 4px 4px rgb(253, 53,  
190) }
```

# Background

The CSS property to change the background color of an element to YIQ 128.4180, 75.2230, 85.0070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 53, 190) }
```

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

```
.background{ background-color: rgb(253, 53,  
190) }
```

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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