

# Converting Colors

YIQ(130.0080, 70.8660, 92.3860)

Have a look what the booklet for  
YIQ(130.0080, 70.8660, 92.3860)  
contains.

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# Color

**YIQ(130.0080, 70.8660,  
92.3860)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FF33D1                     |
| RGB         | 255, 51, 209               |
| RGB Percent | 100%, 20%, 82%             |
| CMY         | 0.0000, 0.8003, 0.1802     |
| CMYK        | 0.00, 0.80, 0.18, 0.00     |
| HSL         | 314°, 100%, 60%            |
| HSV         | 314°, 80%, 100%            |
| XYZ         | 53.9337, 28.2257, 62.9534  |
| YIQ         | 130.0080, 70.8660, 92.3860 |

# Conversions

## Conversions Part 2

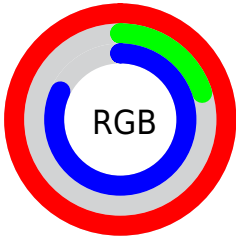
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 255, 51, 209                   |
| Decimal                             | 16724945                       |
| CIE Lab                             | 60.09, 85.96, -35.42           |
| CIE LCh                             | 60, 92.976, 337.605            |
| Yxy                                 | 28.2257, 0.3717,<br>0.1945     |
| Android<br>(android.graphics.Color) | 4294915025<br>(0xFFFF33D1)     |
| YUV                                 | 130.0080, 38.9431,<br>109.6180 |
| Hunter-Lab                          | 53.1278, 88.2340,<br>-33.0657  |

# Details

The YIQ color **130.0080, 70.8660, 92.3860** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **175.9920, -70.8660, -92.3860**, and the grayscale version is **130.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **176.3420, 36.8500, 70.0820**, and **75.5620, 66.1900, 89.0220** is the 20% darker color. If you saturate the color by 10%, you get **114.0620, 79.9420, 104.1180**, and if you desaturate by 10%, it is **145.3670, 62.0650, 81.1770**.

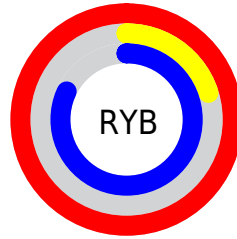
# Distribution



Red (100%)

Green (20%)

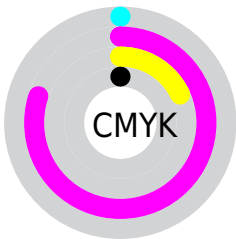
Blue (82%)



Red (100%)

Yellow (20%)

Blue (82%)

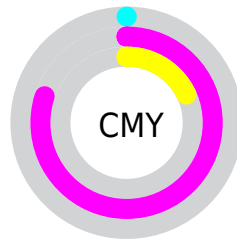


Cyan (0%)

Magenta (80%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 130.0080, 70.8660, 92.3860 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 130.0080, 70.8660, 92.3860 by changing the saturation by 10% instead.





 130.0080, 70.8660,  
92.3860


 130.0080, 70.8660,  
92.3860


255.0000, -0.0000,  
-0.0000


 87.6100, 75.4030,  
103.7790


 176.3420, 36.8500,  
70.0820


 75.5620, 66.1900,  
89.0220


 194.5390, 28.3250,  
53.8690

 63.6280, 56.6560,  
74.5760


 212.1490, 20.0750,  
38.1790

 51.6940, 47.1220,  
60.1300

 230.3460, 11.5500,  
21.9660

 39.9880, 36.9460,  
46.3060

 247.9560, 3.3000,  
6.2760

 29.2930, 28.2370,  
33.4290

 17.7010, 17.7400,

19.9160

■ 0.3420, -0.9630,  
0.9330

■ 0.0000, 0.0000,  
0.0000

■ 130.0080, 70.8660,  
92.3860

■ 130.0080, 70.8660,  
92.3860

■ 114.0620, 79.9420,  
104.1180

■ 145.3670, 62.0650,  
81.1770

■ 98.8170, 88.4220,  
115.6380

■ 161.3130, 52.9890,  
69.4450

■ 176.5580, 44.5090,  
57.9250

■ 192.5040, 35.4330,  
46.1930

■ 207.8630, 26.6320,  
34.9840

■ 223.6950, 17.8770,  
22.9410

■ 239.0540, 9.0760,  
11.7320

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.



144.1600, -12.8480, 56.6560



130.0080, 70.8660, 92.3860



90.8370, 110.8920, 93.8680

# Triad

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



130.0080, 70.8660, 92.3860



133.8190, 52.8720, -44.1200



132.3020, -127.2740, -17.2100

# Complementary

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



130.0080, 70.8660, 92.3860



175.9920, -70.8660, -92.3860

# 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.



123.7690, -101.8690, -42.6130



130.0080, 70.8660, 92.3860



115.3820, -9.8900, -74.0980

# Square

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



130.0080, 70.8660, 92.3860



135.6550, 101.3290, -13.7030



111.5030, -72.8420, -67.5780



128.8600, -128.6050, -9.6050



# Rectangle

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



130.0080, 70.8660, 92.3860



110.0360, 116.0800, 54.8960



111.5030, -72.8420, -67.5780



130.0390, -119.5240, -25.5080

# Sweetspot

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



130.0080, 70.8660, 92.3860



217.5970, 21.2690, 27.5490



87.4120, -39.2600, 72.7720



105.2550, 13.0640, 16.5520



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.



130.0080, 70.8660, 92.3860



104.9150, 85.0300, 111.0300



118.6080, 102.9660, 61.2860



120.0270, 4.5380, 5.8660



73.9810, 66.3280, 86.5200



24.7220, 22.4150, 28.8070



# Inverse Universe

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



130.0080, 70.8660, 92.3860



104.9150, 85.0300, 111.0300



187.3920, -102.9660, -61.2860



120.0270, 4.5380, 5.8660



73.9810, 66.3280, 86.5200



24.7220, 22.4150, 28.8070



# Previews

## White Background



This preview shows how the YIQ color 130.0080, 70.8660, 92.3860 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

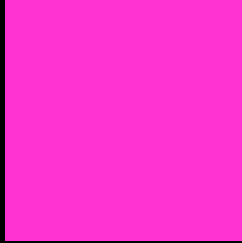
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 130.0080, 70.8660, 92.3860 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 130.0080, 70.8660, 92.3860

## Background



This preview shows how black text looks on a background with the YIQ color 130.0080, 70.8660, 92.3860.



This preview shows how white text looks on a background with the YIQ color 130.0080, 70.8660,

92.3860.

# 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

130.0080, 70.8660, 92.3860

### Protanopia

139.9320, -66.0730, 24.5430

### Deuteranopia

145.2690, -25.0820, 14.0380



## Tritanopia

139.0180, 88.9870, 33.7790

# Trichromacy



## Original Color

130.0080, 70.8660, 92.3860



## Protanomaly

136.2640, -16.3770, 49.0230



## Deuteranomaly

139.8090, 9.5290, 42.0810



## Tritanomaly

135.9690, 82.6560, 54.9120

# Monochromacy



## Original Color

130.0080, 70.8660, 92.3860



## Achromatopsia

130.0000, -0.0000, -0.0000



## Achromatomaly

129.7380, 25.4860, 33.7260

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 130.0080, 70.8660, 92.3860 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(255, 51, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 209)  
}
```

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(255, 51, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 209) }
```

## Border

The CSS property to change the border of an element to YIQ 130.0080, 70.8660, 92.3860 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(255, 51, 209) }
```



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

```
.border{ border-color:rgb(255, 51, 209) }
```

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

Here you see how a box with a 4 pixel rgb(255, 51, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
209) }
```

# Background

The CSS property to change the background color of an element to YIQ 130.0080, 70.8660, 92.3860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 209) }
```

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

```
.background{ background-color: rgb(255, 51,  
209) }
```

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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