

Converting Colors

YIQ(70.4340, 69.1260, 79.8620)

Have a look what the booklet for
YIQ(70.4340, 69.1260, 79.8620)
contains.

YIQ(70.4340, 69.1260, 79.8620)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(70.4340, 69.1260,
79.8620)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0082
RGB	186, 0, 130
RGB Percent	73%, 0%, 51%
CMY	0.2701, 0.9999, 0.4900
CMYK	0.00, 1.00, 0.30, 0.27
HSL	318°, 100%, 36%
HSV	318°, 100%, 73%
XYZ	24.3144, 12.0687, 22.1827
YIQ	70.4340, 69.1260, 79.8620

Conversions

Conversions Part 2

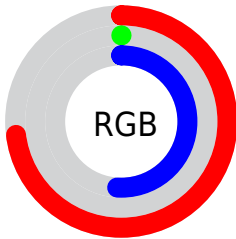
Format	Color
R_{YB}	186, 0, 130
Decimal	12189826
CIE _{Lab}	41.33, 70.31, -18.85
CIE _{LCh}	41, 72.794, 344.995
Yxy	12.0687, 0.4152, 0.2061
Android (android.graphics.Color)	4290379906 (0xFFBA0082)
YUV	70.4340, 29.3660, 101.3514
Hunter-Lab	34.7401, 64.1360, -13.5405

Details

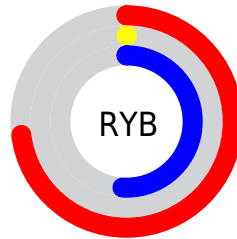
The YIQ color **70.4340, 69.1260, 79.8620** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **115.5660, -69.1260, -79.8620**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **144.3110, 64.4980, 64.6100**, and **47.0930, 50.0120, 51.8040** is the 20% darker color. If you saturate the color by 10%, you get **70.4340, 69.1260, 79.8620**, and if you desaturate by 10%, it is **82.2710, 61.9750, 71.7910**.

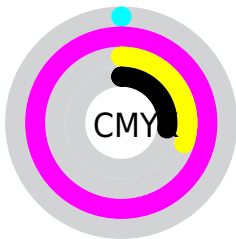
Distribution



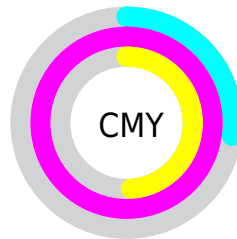
- Red (73%)
- Green (0%)
- Blue (51%)



- Red (73%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 70.4340, 69.1260, 79.8620 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 70.4340, 69.1260, 79.8620 by changing the saturation by 10% instead.


 70.4340, 69.1260,
79.8620


 70.4340, 69.1260,
79.8620


255.0000, -0.0000,
-0.0000


 58.9130, 59.8670,
65.9390


 144.3110, 64.4980,
64.6100


 47.5060, 50.2870,
52.3270


 167.8040, 52.6240,
59.5360


 36.0990, 40.7070,
38.7150

 188.0190, 35.6610,
53.0770

 25.6320, 31.3560,
26.4600

 206.8660, 22.5500,
42.8860

 14.4100, 22.6930,
12.7490

 223.8890, 14.5750,
27.7190

 0.0000, 0.0000,
0.0000

 241.4990, 6.3250,

12.0290

■ 70.4340, 69.1260,
79.8620

■ 82.2710, 61.9750,
71.7910

■ 93.4070, 55.4200,
63.9320

■ 105.2440, 48.2690,
55.8610

■ 116.3800, 41.7140,
48.0020

■ 128.2170, 34.5630,
39.9310

■ 140.0540, 27.4120,
31.8600

■ 151.1900, 20.8570,
24.0010

■ 163.0270, 13.7060,
15.9300

■ 174.8640, 6.5550,
7.8590

Harmonies

Analogous

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



97.9090, 3.7960, 52.3720



70.4340, 69.1260, 79.8620



67.2960, 95.2170, 64.0570

Triad

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



70.4340, 69.1260, 79.8620



88.5560, 26.2320, -34.8880



91.7750, -91.6970, -6.6810

Complementary

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



70.4340, 69.1260, 79.8620



115.5660, -69.1260, -79.8620

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.



86.0920, -74.3170, -24.3090



70.4340, 69.1260, 79.8620



67.5050, -31.6250, -60.1450

Square

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



70.4340, 69.1260, 79.8620



92.3640, 62.7240, -13.4040



77.7360, -53.5440, -42.8560



90.8410, -100.0900, 7.7660

Rectangle

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



70.4340, 69.1260, 79.8620



79.8290, 93.8930, 32.9730



77.7360, -53.5440, -42.8560



90.4240, -86.5150, -12.4910

Sweetspot

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



70.4340, 69.1260, 79.8620



197.2280, 26.8620, 30.8140



37.9480, -26.3300, 69.7180



94.6900, 16.2730, 18.9690



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.4340, 69.1260, 79.8620



91.6240, 89.9830, 103.8630



59.8320, 98.9790, 50.9390



86.3750, 3.4380, 3.7740



59.0700, 57.9870, 66.9710



10.6520, 10.2680, 12.1560

Inverse Universe

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



70.4340, 69.1260, 79.8620



91.6240, 89.9830, 103.8630



126.1680, -98.9790, -50.9390



86.3750, 3.4380, 3.7740



59.0700, 57.9870, 66.9710



10.6520, 10.2680, 12.1560

Previews

White Background



This preview shows how the YIQ color 70.4340, 69.1260, 79.8620 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

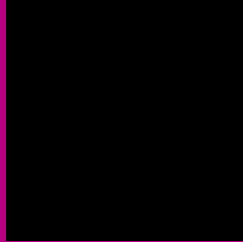
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 70.4340, 69.1260, 79.8620

Background



This preview shows how black text looks on a background with the YIQ color 70.4340, 69.1260, 79.8620.



This preview shows how white text looks on a background with the YIQ color 70.4340, 69.1260,

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

70.4340, 69.1260, 79.8620

Protanopia

94.1750, -53.8760, 18.2520

Deuteranopia

100.9210, -6.7870, 7.3650



Tritanopia

90.2120, 76.5170, 28.4930

Trichromacy



Original Color

70.4340, 69.1260, 79.8620

Protanomaly

85.7020, -9.2230, 40.5130

Deuteranomaly

89.6990, 21.2220, 33.9100

Tritanomaly

82.8490, 73.9460, 47.5620

Monochromacy



Original Color

70.4340, 69.1260, 79.8620

Achromatopsia

70.0000, 0.0000, 0.0000

Achromatomaly

70.3910, 24.8450, 28.8210

CSS Examples

Text

The CSS property to change the color of the text to YIQ 70.4340, 69.1260, 79.8620 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(186, 0, 130)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 130)  
}
```

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(186, 0, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 130) }
```

Border

The CSS property to change the border of an element to YIQ 70.4340, 69.1260, 79.8620 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(186, 0, 130) }
```


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

```
.border{ border-color:rgb(186, 0, 130) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 130);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
130) }
```

Background

The CSS property to change the background color of an element to YIQ 70.4340, 69.1260, 79.8620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 130) }
```

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

```
.background{ background-color: rgb(186, 0,  
130) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor