

Converting Colors

YIQ(109.0340, 102.3670,
77.6550)

Have a look what the booklet for
YIQ(109.0340, 102.3670, 77.6550)
contains.

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Color

**YIQ(109.0340, 102.3670,
77.6550)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1F80
RGB	255, 31, 128
RGB Percent	100%, 12%, 50%
CMY	0.0000, 0.8787, 0.4977
CMYK	0.00, 0.88, 0.50, 0.00
HSL	334°, 100%, 56%
HSV	334°, 88%, 100%
XYZ	45.6294, 23.7958, 22.6393
YIQ	109.0340, 102.3670, 77.6550

Conversions

Conversions Part 2

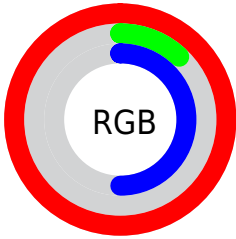
Format	Color
R_{YB}	255, 31, 128
Decimal	16719744
CIE _{Lab}	55.88, 81.67, 5.45
CIE _{LCh}	56, 81.848, 3.818
Yxy	23.7958, 0.4956, 0.2585
Android (android.graphics.Color)	4294909824 (0xFFFF1F80)
YUV	109.0340, 9.3502, 128.0122
Hunter-Lab	48.7810, 81.6011, 6.6301

Details

The YIQ color **109.0340, 102.3670, 77.6550** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **176.9660, -102.3670, -77.6550**, and the grayscale version is **109.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **160.1610, 64.5000, 53.5560**, and **66.1150, 88.4770, 65.0610** is the 20% darker color. If you saturate the color by 10%, you get **92.1760, 114.0110, 86.8990**, and if you desaturate by 10%, it is **125.4190, 90.6770, 69.2450**.

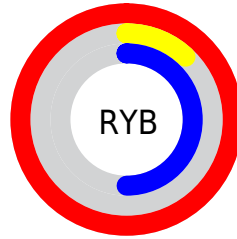
Distribution



Red (100%)

Green (12%)

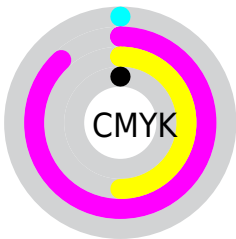
Blue (50%)



Red (100%)

Yellow (12%)

Blue (50%)

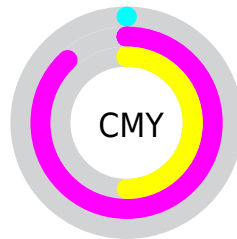


Cyan (0%)

Magenta (88%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (88%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 109.0340, 102.3670, 77.6550 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 109.0340, 102.3670, 77.6550 by changing the saturation by 10% instead.


 109.0340,
102.3670, 77.6550


 109.0340,
102.3670, 77.6550


255.0000, -0.0000,
-0.0000


 78.4190, 99.8450,
79.3090


 160.2750, 64.1790,
53.8670


 66.1150, 88.4770,
65.0610


 181.5500, 46.9870,
46.0510


 54.3380, 77.0630,
51.6470


 202.3520, 29.7490,
39.0690

 42.6750, 65.3280,
38.5440

 222.7150, 15.1250,
28.7650

 30.8980, 53.9140,
25.1300

 240.3250, 6.8750,
13.0750

 20.6740, 39.5650,
15.3490

 10.5790, 20.5390,

7.7310

■ 0.0000, 0.0000,
0.0000

■ 109.0340,
102.3670, 77.6550

■ 109.0340,
102.3670, 77.6550

■ 92.1760, 114.0110,
86.8990

■ 125.4190, 90.6770,
69.2450

■ 88.8990, 116.3490,
88.5810

■ 142.2770, 79.0330,
60.0010

■ 158.5480, 67.6640,
51.2800

■ 175.5200, 55.6990,
42.3470

■ 191.7910, 44.3300,
33.6260

■ 208.7630, 32.3650,
24.6930

■ 225.0340, 20.9960,
15.9720

■ 242.0060, 9.0310,
7.0390

■ 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.



128.2900, 51.7960, 74.5480



109.0340, 102.3670, 77.6550



118.1470, 110.6730, 37.2410

Triad

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



109.0340, 102.3670, 77.6550



112.2580, 5.5590, -62.2250



121.2290, -125.0300, -2.8060

Complementary

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



109.0340, 102.3670, 77.6550



176.9660, -102.3670, -77.6550

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.



120.4360, -113.1520, -19.8400



109.0340, 102.3670, 77.6550



101.4440, -65.1860, -63.1540

Square

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



109.0340, 102.3670, 77.6550



124.7040, 54.9340, -37.4340



112.3420, -90.3610, -41.9210



111.8370, -120.6300, 5.5620

Rectangle

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



109.0340, 102.3670, 77.6550



121.8660, 108.5250, -0.9390



112.3420, -90.3610, -41.9210



122.3060, -123.9290, -6.2410

Sweetspot

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



109.0340, 102.3670, 77.6550



211.9260, 30.3480, 22.7000



93.3130, 1.4040, 95.7400



101.8980, 18.3830, 13.7670



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.



109.0340, 102.3670, 77.6550



88.8990, 116.3490, 88.5810



104.4330, 130.4790, 41.7350



119.4570, 6.1430, 4.3110



66.5710, 87.1930, 66.3050



22.3280, 29.1560, 22.2760

Inverse Universe

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



109.0340, 102.3670, 77.6550



88.8990, 116.3490, 88.5810



181.5670, -130.4790, -41.7350



119.4570, 6.1430, 4.3110



66.5710, 87.1930, 66.3050



22.3280, 29.1560, 22.2760

Previews

White Background



This preview shows how the YIQ color 109.0340, 102.3670, 77.6550 looks on a white background.

Color Contrast Check

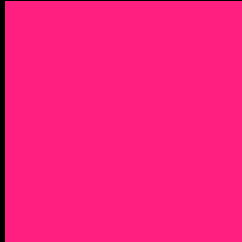
Large Text (above 18pt) WCAG AA ✓ Pass

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 109.0340, 102.3670, 77.6550 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 109.0340, 102.3670, 77.6550

Background



This preview shows how black text looks on a background with the YIQ color 109.0340, 102.3670, 77.6550.



This preview shows how white text looks on a background with the YIQ color 109.0340, 102.3670,

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

109.0340, 102.3670, 77.6550

Protanopia

134.8840, -22.5600, 12.3840

Deuteranopia

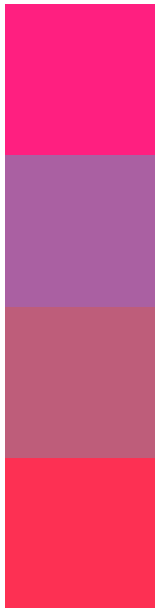
134.9220, 17.8350, 1.6670



Tritanopia

115.4190, 115.8990, 41.6510

Trichromacy



Original Color

109.0340, 102.3670, 77.6550

Protanomaly

125.6500, 22.9180, 36.2140

Deuteranomaly

125.3090, 48.5030, 29.5830

Tritanomaly

113.2850, 110.9450, 54.3450

Monochromacy



Original Color

109.0340, 102.3670, 77.6550

Achromatopsia

109.0000, -0.0000, 0.0000

Achromatomaly

109.2090, 37.0410, 28.0570

CSS Examples

Text

The CSS property to change the color of the text to YIQ 109.0340, 102.3670, 77.6550 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, 31, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 31, 128)  
}
```

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, 31, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 128) }
```

Border

The CSS property to change the border of an element to YIQ 109.0340, 102.3670, 77.6550 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, 31, 128) }
```


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

```
.border{ border-color:rgb(255, 31, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 31, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 31, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 31, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 31,  
128) }
```

Background

The CSS property to change the background color of an element to YIQ 109.0340, 102.3670, 77.6550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 31, 128) }
```

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

```
.background{ background-color: rgb(255, 31,  
128) }
```

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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