

Converting Colors

YIQ(180.7980, 43.5930, 52.4970)

Have a look what the booklet for
YIQ(180.7980, 43.5930, 52.4970)
contains.

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Color

**YIQ(180.7980, 43.5930,
52.4970)**

Conversions

Conversions Part 1

Format	Color
Hex	FF87DE
RGB	255, 135, 222
RGB Percent	100%, 53%, 87%
CMY	0.0000, 0.4708, 0.1293
CMYK	0.00, 0.47, 0.13, 0.00
HSL	316°, 100%, 76%
HSV	316°, 47%, 100%
XYZ	63.0854, 43.8493, 74.2650
YIQ	180.7980, 43.5930, 52.4970

Conversions

Conversions Part 2

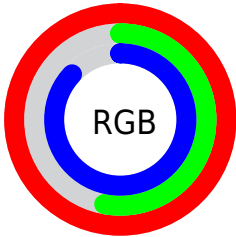
Format	Color
R _Y B	255, 135, 222
Decimal	16746462
CIE Lab	72.13, 56.29, -24.11
CIE LCh	72, 61.232, 336.816
Yxy	43.8493, 0.3482, 0.2420
Android (android.graphics.Color)	4294936542 (0xFFFF87DE)
YUV	180.7980, 20.3126, 65.0752
Hunter-Lab	66.2188, 54.1706, -20.1411

Details

The YIQ color **180.7980, 43.5930, 52.4970** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **209.2020, -43.5930, -52.4970**, and the grayscale version is **181.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **217.4320, 17.6000, 33.4720**, and **124.6020, 41.2090, 51.6490** is the 20% darker color. If you saturate the color by 10%, you get **164.7380, 52.9900, 63.9180**, and if you desaturate by 10%, it is **196.2710, 34.4710, 41.5990**.

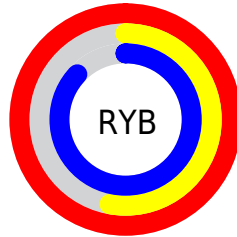
Distribution



Red (100%)

Green (53%)

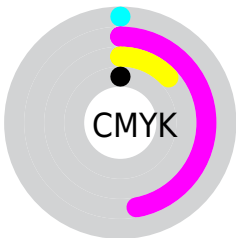
Blue (87%)



Red (100%)

Yellow (53%)

Blue (87%)

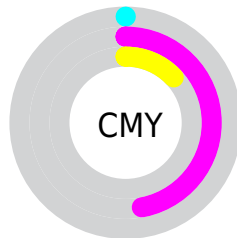


Cyan (0%)

Magenta (47%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (47%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 180.7980, 43.5930, 52.4970 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 180.7980, 43.5930, 52.4970 by changing the saturation by 10% instead.


 180.7980, 43.5930,
52.4970


 180.7980, 43.5930,
52.4970


255.0000, -0.0000,
-0.0000

 152.2000, 42.4010,
52.0730


 217.4320, 17.6000,
33.4720


 124.6020, 41.2090,
51.6490


 234.4550, 9.6250,
18.3050

 96.4170, 40.2920,
51.7480

 251.4780, 1.6500,
3.1380

 64.6500, 41.2540,
56.3420

 43.7480, 37.8620,
51.7340

 32.9390, 29.4740,
38.5460

 22.9560, 21.6360,

26.4040

■ 11.7770, 11.4140,
13.4140

■ 0.0000, 0.0000,
0.0000

■ 180.7980, 43.5930,
52.4970

■ 180.7980, 43.5930,
52.4970

■ 164.7380, 52.9900,
63.9180

■ 196.2710, 34.4710,
41.5990

■ 149.2650, 62.1120,
74.8160

■ 212.3310, 25.0740,
30.1780

■ 133.2050, 71.5090,
86.2370

■ 227.8040, 15.9520,
19.2800

■ 117.7320, 80.6310,
97.1350

■ 243.8640, 6.5550,
7.8590

■ 101.6720, 90.0280, 255.0000, -0.0000,
108.5560 -0.0000

■ 97.3350, 92.5950,
111.5950

Harmonies

Analogous

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



180.1320, -7.6180, 38.9580



180.7980, 43.5930, 52.4970



169.1310, 64.0440, 39.7880

Triad

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



180.7980, 43.5930, 52.4970



169.5880, 49.5690, -33.8150



146.1620, -133.2320, -30.3840

Complementary

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



180.7980, 43.5930, 52.4970



209.2020, -43.5930, -52.4970

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.



141.1800, -116.4480, -48.2240



180.7980, 43.5930, 52.4970



163.3030, 1.6590, -46.6050

Square

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



180.7980, 43.5930, 52.4970



173.3120, 77.6700, -8.9380



144.2830, -74.6780, -56.3260



142.9480, -135.2050, -22.1570

Rectangle

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



180.7980, 43.5930, 52.4970



168.5490, 73.9500, 25.4540



144.2830, -74.6780, -56.3260



145.5120, -128.6460, -36.4060

Sweetspot

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



180.7980, 43.5930, 52.4970



232.7280, 13.1100, 15.7180



158.2480, -19.4480, 44.1040



114.4020, 7.9760, 9.6400



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.



180.7980, 43.5930, 52.4970



166.6130, 51.8440, 62.6600



174.0720, 62.5320, 34.1480



119.9130, 4.8590, 5.5550



72.9550, 69.2170, 83.7210



24.3800, 23.3780, 27.8740

Inverse Universe

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



180.7980, 43.5930, 52.4970



166.6130, 51.8440, 62.6600



215.9280, -62.5320, -34.1480



119.9130, 4.8590, 5.5550



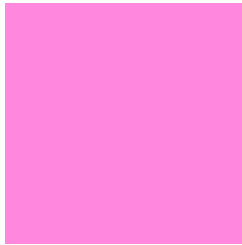
72.9550, 69.2170, 83.7210



24.3800, 23.3780, 27.8740

Previews

White Background



This preview shows how the YIQ color 180.7980, 43.5930, 52.4970 looks on a white background.

Color Contrast Check

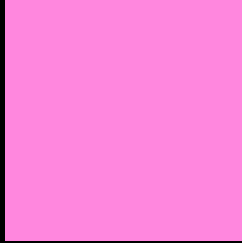
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 180.7980, 43.5930, 52.4970 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 ✓ Pass

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

YIQ 180.7980, 43.5930, 52.4970

Background



This preview shows how black text looks on a background with the YIQ color 180.7980, 43.5930, 52.4970.



This preview shows how white text looks on a background with the YIQ color 180.7980, 43.5930,

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

180.7980, 43.5930, 52.4970

Protanopia

177.2000, -37.8290, 19.2830

Deuteranopia

178.3860, -12.2900, 13.4860



Tritanopia

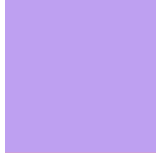
179.1540, 56.0690, 24.6210

Trichromacy



Original Color

180.7980, 43.5930, 52.4970



Protanomaly

178.2040, -8.1210, 31.5510



Deuteranomaly

179.1810, 7.8810, 27.8890



Tritanomaly

179.7380, 51.8490, 35.0250

Monochromacy



Original Color

180.7980, 43.5930, 52.4970



Achromatopsia

181.0000, -0.0000, 0.0000



Achromatomaly

180.8040, 15.9520, 19.2800

CSS Examples

Text

The CSS property to change the color of the text to YIQ 180.7980, 43.5930, 52.4970 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, 135, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 222)  
}
```

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, 135, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 222) }
```

Border

The CSS property to change the border of an element to YIQ 180.7980, 43.5930, 52.4970 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, 135, 222) }
```


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

```
.border{ border-color:rgb(255, 135, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
222) }
```

Background

The CSS property to change the background color of an element to YIQ 180.7980, 43.5930, 52.4970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 222) }
```

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

```
.background{ background-color: rgb(255,  
135, 222) }
```

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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