

Converting Colors

YIQ(176.4420, 29.9760, 51.4800)

Have a look what the booklet for
YIQ(176.4420, 29.9760, 51.4800)
contains.

YIQ(176.4420, 29.9760, 51.4800)	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(176.4420, 29.9760,
51.4800)**

Conversions

Conversions Part 1

Format	Color
Hex	ED87E7
RGB	237, 135, 231
RGB Percent	93%, 53%, 91%
CMY	0.0703, 0.4707, 0.0941
CMYK	0.00, 0.43, 0.03, 0.07
HSL	304°, 74%, 73%
HSV	304°, 43%, 93%
XYZ	58.0343, 41.1040, 80.4849
YIQ	176.4420, 29.9760, 51.4800

Conversions

Conversions Part 2

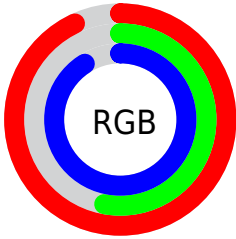
Format	Color
R _Y B	237, 135, 231
Decimal	15566823
CIE Lab	70.25, 52.42, -32.13
CIE LCh	70, 61.483, 328.495
Yxy	41.1040, 0.3231, 0.2288
Android (android.graphics.Color)	4293756903 (0xFFED87E7)
YUV	176.4420, 26.8971, 53.1094
Hunter-Lab	64.1124, 49.3806, -29.5522

Details

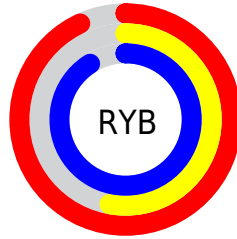
The YIQ color **176.4420, 29.9760, 51.4800** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **195.5580, -29.9760, -51.4800**, and the grayscale version is **176.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **217.4320, 17.6000, 33.4720**, and **121.0180, 28.2340, 50.0100** is the 20% darker color. If you saturate the color by 10%, you get **162.2400, 36.8970, 63.7210**, and if you desaturate by 10%, it is **190.6440, 23.0550, 39.2390**.

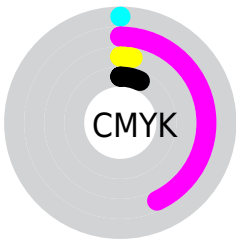
Distribution



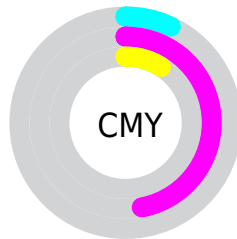
- Red (93%)
- Green (53%)
- Blue (91%)



- Red (93%)
- Yellow (53%)
- Blue (91%)



- Cyan (0%)
- Magenta (43%)
- Yellow (3%)
- Black (7%)




- Cyan (7%)
- Magenta (47%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 176.4420, 29.9760, 51.4800 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 176.4420, 29.9760, 51.4800 by changing the saturation by 10% instead.


 176.4420, 29.9760,
51.4800


 176.4420, 29.9760,
51.4800


255.0000, -0.0000,
-0.0000


 148.7300, 29.1050,
50.7450


 217.4320, 17.6000,
33.4720


 121.0180, 28.2340,
50.0100


 233.8680, 9.9000,
18.8280

 93.7190, 27.6380,
49.7980

 250.8910, 1.9250,
3.6610

 65.0720, 28.1420,
51.6780

 40.0610, 26.6750,
50.7310

 29.5510, 18.8830,
37.7550

 20.0520, 12.5580,

25.7260

■ 5.8830, -3.6240,
10.6160

■ 0.0000, 0.0000,
0.0000

■ 176.4420, 29.9760,
51.4800

■ 176.4420, 29.9760,
51.4800

■ 162.2400, 36.8970,
63.7210

■ 190.6440, 23.0550,
39.2390

■ 148.5110, 43.8640,
75.1280

■ 204.3730, 16.0880,
27.8320

■ 134.3090, 50.7850,
87.3690

■ 218.5750, 9.1670,
15.5910

■ 119.9930, 58.0270,
99.2990

■ 232.8910, 1.9250,
3.6610

■ 105.7910, 64.9480,
111.5400

■ 247.0930, -4.9960,
-8.5800

■ 96.2850, 69.6690,
119.5970

■ 247.7940, -5.5920,
-8.7920

■ 248.0220, -6.2340,
-8.1700

■ 248.1360, -6.5550,
-7.8590

■ 248.3640, -7.1970,
-7.2370

Harmonies

Analogous

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



172.0480, -25.1770, 32.2870



176.4420, 29.9760, 51.4800



167.4500, 61.8880, 45.8240

Triad

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



176.4420, 29.9760, 51.4800



165.5400, 58.6920, -28.4440



141.6480, -126.0330, -34.2010

Complementary

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



176.4420, 29.9760, 51.4800



195.5580, -29.9760, -51.4800

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.



135.8510, -108.3320, -52.1400



176.4420, 29.9760, 51.4800



160.0830, 17.0180, -44.1180

Square

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



176.4420, 29.9760, 51.4800



168.8060, 82.3910, -0.8810



147.7610, -46.6650, -51.8890



141.7740, -134.6550, -21.1110

Rectangle

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



176.4420, 29.9760, 51.4800



164.2920, 73.5360, 32.9600



147.7610, -46.6650, -51.8890



140.2970, -120.8510, -40.0110

Sweetspot

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



176.4420, 29.9760, 51.4800



235.4010, 9.7170, 16.6370



148.1230, -29.7620, 32.7820



115.4450, 6.4170, 10.3610



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.



176.4420, 29.9760, 51.4800



176.0170, 39.1430, 67.0710



170.7420, 46.0260, 35.9300



110.5430, 3.0250, 5.7530



73.4990, 53.3060, 91.2420



21.8460, 16.1340, 26.9980

Inverse Universe

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



176.4420, 29.9760, 51.4800



176.0170, 39.1430, 67.0710



201.2580, -46.0260, -35.9300



110.5430, 3.0250, 5.7530



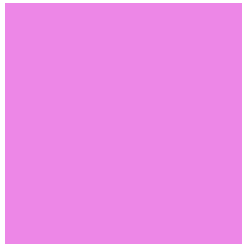
73.4990, 53.3060, 91.2420



21.8460, 16.1340, 26.9980

Previews

White Background



This preview shows how the YIQ color 176.4420, 29.9760, 51.4800 looks on a white background.

Color Contrast Check

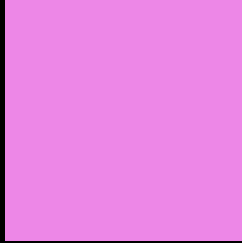
Large Text (above 18pt) WCAG AA × Fail

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 176.4420, 29.9760, 51.4800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

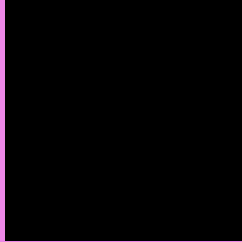
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 176.4420, 29.9760, 51.4800

Background



This preview shows how black text looks on a background with the YIQ color 176.4420, 29.9760, 51.4800.



This preview shows how white text looks on a background with the YIQ color 176.4420, 29.9760,

51.4800.

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

176.4420, 29.9760, 51.4800

Protanopia

171.0300, -43.1020, 21.2340

Deuteranopia

172.6930, -23.3400, 15.5080



Tritanopia

174.5760, 42.9570, 19.9570

Trichromacy



Original Color

176.4420, 29.9760, 51.4800



Protanomaly

173.1260, -16.6490, 31.9190



Deuteranomaly

174.2490, -3.9940, 28.3420



Tritanomaly

175.3880, 38.0950, 30.9830

Monochromacy



Original Color

176.4420, 29.9760, 51.4800



Achromatopsia

176.0000, -0.0000, -0.0000



Achromatomaly

176.0530, 10.8170, 18.7290

CSS Examples

Text

The CSS property to change the color of the text to YIQ 176.4420, 29.9760, 51.4800 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(237, 135, 231)` looks like.

```
.text, #text, p{  
    color:rgb(237, 135, 231)  
}
```

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(237, 135, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 135, 231) }
```

Border

The CSS property to change the border of an element to YIQ 176.4420, 29.9760, 51.4800 is called "border". The border property can be set on classes, ids or directly on the HTML element.

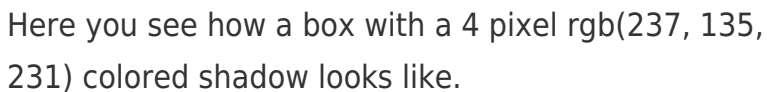
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(237, 135, 231) }
```


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

```
.border{ border-color:rgb(237, 135, 231) }
```

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



Here you see how a box with a 4 pixel `rgb(237, 135, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 135, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 135, 231); box-shadow:4px 4px 4px 4px rgb(237, 135, 231) }
```

Background

The CSS property to change the background color of an element to YIQ 176.4420, 29.9760, 51.4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 135, 231) }
```

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

```
.background{ background-color: rgb(237,  
135, 231) }
```

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