

Converting Colors

YIQ(176.3650, 28.8750, 54.9150)

Have a look what the booklet for
YIQ(176.3650, 28.8750, 54.9150)
contains.

YIQ(176.3650, 28.8750, 54.9150)	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(176.3650, 28.8750,
54.9150)**

Conversions

Conversions Part 1

Format	Color
Hex	EE85EE
RGB	238, 133, 238
RGB Percent	93%, 52%, 93%
CMY	0.0663, 0.4786, 0.0666
CMYK	0.00, 0.44, 0.00, 0.07
HSL	300°, 76%, 73%
HSV	300°, 44%, 93%
XYZ	59.1023, 41.1277, 85.7189
YIQ	176.3650, 28.8750, 54.9150

Conversions

Conversions Part 2

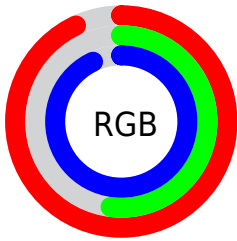
Format	Color
R _Y B	238, 133, 238
Decimal	15631854
CIE Lab	70.27, 54.94, -35.94
CIE LCh	70, 65.647, 326.807
Yxy	41.1277, 0.3178, 0.2212
Android (android.graphics.Color)	4293821934 (0xFFEE85EE)
YUV	176.3650, 30.3861, 54.0539
Hunter-Lab	64.1308, 52.2746, -34.3569

Details

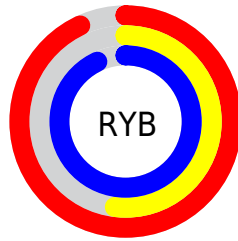
The YIQ color **176.3650, 28.8750, 54.9150** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **194.6350, -28.8750, -54.9150**, and the grayscale version is **176.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **216.2580, 18.1500, 34.5180**, and **120.9410, 27.1330, 53.4450** is the 20% darker color. If you saturate the color by 10%, you get **162.2770, 35.4750, 67.4670**, and if you desaturate by 10%, it is **190.4530, 22.2750, 42.3630**.

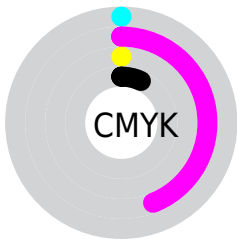
Distribution



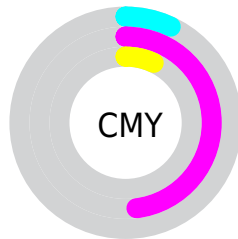
- Red (93%)
- Green (52%)
- Blue (93%)



- Red (93%)
- Yellow (52%)
- Blue (93%)



- Cyan (0%)
- Magenta (44%)
- Yellow (0%)
- Black (7%)





- Cyan (7%)
- Magenta (48%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 176.3650, 28.8750, 54.9150 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 176.3650, 28.8750, 54.9150 by changing the saturation by 10% instead.


 176.3650, 28.8750,
54.9150


 176.3650, 28.8750,
54.9150


255.0000, -0.0000,
-0.0000

 148.6530, 28.0040,
54.1800


 216.2580, 18.1500,
34.5180


 120.9410, 27.1330,
53.4450


 232.6940, 10.4500,
19.8740

 93.0550, 26.8120,
53.7560

 250.3040, 2.2000,
4.1840

 62.8210, 27.5910,
56.1590

 40.7450, 24.7490,
52.5970

 30.1210, 17.2780,
39.3100

 20.6220, 10.9530,

27.2810

■ 7.0510, -4.0370,
12.5950

■ 0.5700, -1.6050,
1.5550

■ 176.3650, 28.8750,
54.9150

■ 176.3650, 28.8750,
54.9150

■ 162.2770, 35.4750,
67.4670

■ 190.4530, 22.2750,
42.3630

■ 148.1890, 42.0750,
80.0190

■ 204.5410, 15.6750,
29.8110

■ 134.6880, 48.4000,
92.0480

■ 218.0420, 9.3500,
17.7820

■ 120.6000, 55.0000,
104.6000

■ 232.1300, 2.7500,
5.2300

■ 106.5120, 61.6000,
117.1520

■ 246.2180, -3.8500,
-7.3220

■ 98.2940, 65.4500,
124.4740

■ 247.9790, -4.6750,
-8.8910

Harmonies

Analogous

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



170.5420, -29.6240, 30.2800



176.3650, 28.8750, 54.9150



164.9710, 61.9790, 49.6830

Triad

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



176.3650, 28.8750, 54.9150



164.7810, 65.2030, -30.8050



142.9360, -126.9040, -34.9360

Complementary

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



176.3650, 28.8750, 54.9150



194.6350, -28.8750, -54.9150

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.



135.9820, -107.3230, -53.9070



176.3650, 28.8750, 54.9150



159.1280, 21.1450, -47.3270

Square

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



176.3650, 28.8750, 54.9150



167.6820, 88.6720, 0.9280



145.9410, -47.3520, -55.9600



142.9480, -135.2050, -22.1570

Rectangle

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



176.3650, 28.8750, 54.9150



160.9980, 74.5440, 36.7200



145.9410, -47.3520, -55.9600



140.7700, -120.8050, -40.8450

Sweetspot

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



176.3650, 28.8750, 54.9150



235.6290, 9.0750, 17.2590



144.9700, -33.7050, 32.6550



115.5590, 6.0960, 10.6720



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.



176.3650, 28.8750, 54.9150



175.7550, 37.1250, 70.6050



170.4370, 45.5670, 38.7430



112.9560, 3.3000, 6.2760



75.8780, 50.9210, 95.9210



23.1280, 15.4000, 29.2880

Inverse Universe

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



176.3650, 28.8750, 54.9150



175.7550, 37.1250, 70.6050



200.6770, -45.8880, -38.4320



112.9560, 3.3000, 6.2760



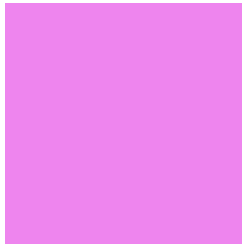
75.8780, 50.9210, 95.9210



23.1280, 15.4000, 29.2880

Previews

White Background



This preview shows how the YIQ color 176.3650, 28.8750, 54.9150 looks on a white background.

Color Contrast Check

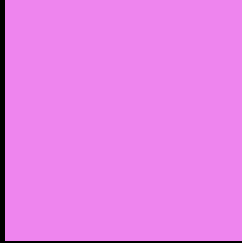
Large Text (above 18pt) WCAG AA × Fail

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 176.3650, 28.8750, 54.9150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

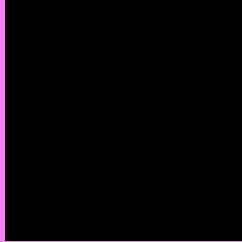
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 176.3650, 28.8750, 54.9150

Background



This preview shows how black text looks on a background with the YIQ color 176.3650, 28.8750, 54.9150.



This preview shows how white text looks on a background with the YIQ color 176.3650, 28.8750,

54.9150.

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

176.3650, 28.8750, 54.9150

Protanopia

171.0300, -43.1020, 21.2340

Deuteranopia

172.7680, -27.9250, 16.0030



Tritanopia

174.6900, 42.6360, 20.2680

Trichromacy



Original Color

176.3650, 28.8750, 54.9150



Protanomaly

173.1800, -16.7410, 33.5870



Deuteranomaly

174.4490, -7.4330, 30.0950



Tritanomaly

175.5560, 37.6820, 32.9620

Monochromacy



Original Color

176.3650, 28.8750, 54.9150



Achromatopsia

176.0000, -0.0000, -0.0000



Achromatomaly

176.1070, 10.7250, 20.3970

CSS Examples

Text

The CSS property to change the color of the text to YIQ 176.3650, 28.8750, 54.9150 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(238, 133, 238)` looks like.

```
.text, #text, p{  
    color:rgb(238, 133, 238)  
}
```

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(238, 133, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 133, 238) }
```

Border

The CSS property to change the border of an element to YIQ 176.3650, 28.8750, 54.9150 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(238, 133, 238) }
```


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

```
.border{ border-color:rgb(238, 133, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 133, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 133, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 133, 238); box-shadow:4px 4px 4px 4px rgb(238, 133, 238) }
```

Background

The CSS property to change the background color of an element to YIQ 176.3650, 28.8750, 54.9150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 133, 238) }
```

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

```
.background{ background-color: rgb(238,  
133, 238) }
```

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