

# Converting Colors

YIQ(172.9890, 27.1780, 58.1380)

Have a look what the booklet for  
YIQ(172.9890, 27.1780, 58.1380)  
contains.

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# Color

**YIQ(172.9890, 27.1780,  
58.1380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB80F2
RGB	235, 128, 242
RGB Percent	92%, 50%, 95%
CMY	0.0781, 0.4982, 0.0510
CMYK	0.03, 0.47, 0.00, 0.05
HSL	296°, 81%, 73%
HSV	296°, 47%, 95%
XYZ	58.0295, 39.5141, 88.5768
YIQ	172.9890, 27.1780, 58.1380

# Conversions

## Conversions Part 2

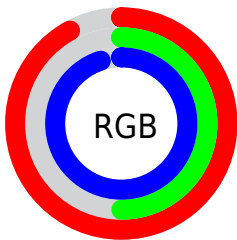
Format	Color
R <sub>Y</sub> B	235, 128, 242
Decimal	15433970
CIE Lab	69.12, 57.26, -39.94
CIE LCh	69, 69.818, 325.105
Yxy	39.5141, 0.3118, 0.2123
Android (android.graphics.Color)	4293624050 (0xFFEB80F2)
YUV	172.9890, 34.0224, 54.3836
Hunter-Lab	62.8602, 54.7770, -39.5438

# Details

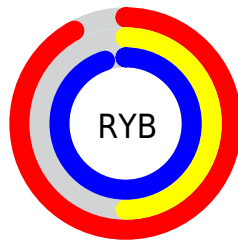
The YIQ color **172.9890, 27.1780, 58.1380** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **197.0110, -27.1780, -58.1380**, and the grayscale version is **173.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **213.3230, 19.5250, 37.1330**, and **116.8640, 26.0320, 56.8800** is the 20% darker color. If you saturate the color by 10%, you get **158.6020, 33.1820, 70.4780**, and if you desaturate by 10%, it is **187.6750, 21.7700, 46.0100**.

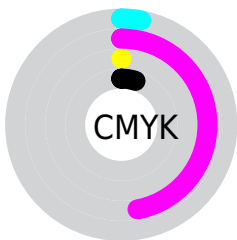
# Distribution



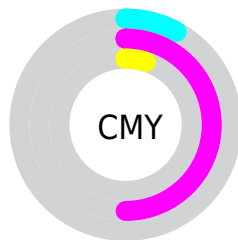
- Red (92%)
- Green (50%)
- Blue (95%)



- Red (92%)
- Yellow (50%)
- Blue (95%)



- Cyan (3%)
- Magenta (47%)
- Yellow (0%)
- Black (5%)



- Cyan (8%)
- Magenta (50%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 172.9890, 27.1780, 58.1380 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 172.9890, 27.1780, 58.1380 by changing the saturation by 10% instead.



172.9890, 27.1780,  
58.1380

172.9890, 27.1780,  
58.1380

255.0000, -0.0000,  
-0.0000

145.1630, 26.6280,  
57.0920

213.3230, 19.5250,  
37.1330

116.8640, 26.0320,  
56.8800

229.7590, 11.8250,  
22.4890

88.9780, 25.7110,  
57.1910

247.3690, 3.5750,  
6.7990

55.3360, 27.8190,  
63.0430

40.1900, 21.9980,  
52.8940

29.5660, 14.5270,  
39.6070

20.0670, 8.2020,

27.5780

■ 4.2890, -10.6390,  
11.0970

■ 1.1400, -3.2100,  
3.1100

■ 172.9890, 27.1780,  
58.1380

■ 172.9890, 27.1780,  
58.1380

■ 158.6020, 33.1820,  
70.4780

■ 187.6750, 21.7700,  
46.0100

■ 143.9160, 38.5900,  
82.6060

■ 202.0620, 15.7660,  
33.6700

■ 128.9420, 44.8690,  
95.4690

■ 217.0360, 9.4870,  
20.8070

■ 114.2560, 50.2770,  
107.5970

■ 231.7220, 4.0790,  
8.6790

■ 99.8690, 56.2810,  
119.9370

■ 246.1090, -1.9250,  
-3.6610

■ 95.4610, 57.6100,  
123.3860

■ 250.2290, -2.3830,  
-6.3750

■ 250.5280, -1.7870,  
-6.1630

■ 251.1260, -0.5950,  
-5.7390

■ 251.4250, 0.0010,  
-5.5270

# Harmonies

## Analogous

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



165.1930, -35.9510, 29.3050



172.9890, 27.1780, 58.1380



160.3890, 63.8580, 54.1780

# Triad

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



172.9890, 27.1780, 58.1380



159.9790, 73.2730, -33.8870



141.4200, -125.3910, -34.8230

# Complementary

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



172.9890, 27.1780, 58.1380



197.0110, -27.1780, -58.1380

# 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.



134.0100, -104.5260, -55.0380



172.9890, 27.1780, 58.1380



155.1300, 26.8310, -51.2570

# Square

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



172.9890, 27.1780, 58.1380



163.9600, 93.7610, 2.3130



140.2350, -48.3600, -59.7200



142.3610, -134.9300, -21.6340



# Rectangle

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



172.9890, 27.1780, 58.1380



155.4870, 77.6610, 40.8050



140.2350, -48.3600, -59.7200



139.6130, -118.9250, -41.8770

# Sweetspot

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



172.9890, 27.1780, 58.1380



233.2700, 8.7080, 18.4040



145.6920, -38.7940, 31.2700



114.4880, 4.8580, 11.0820



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.



172.9890, 27.1780, 58.1380



167.1940, 34.5110, 73.9270



169.4960, 47.0790, 44.3830



112.6570, 2.7040, 6.0640



72.4040, 43.4480, 93.6880



22.2310, 13.6120, 28.6520



# Inverse Universe

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



162.8840, 65.6970, 26.3450



154.2670, 83.8520, 33.2280



200.5040, -47.0790, -44.3830



111.7020, 6.8310, 2.8550



56.2700, 106.1330, 42.4290



17.0860, 32.4130, 12.8050



# Previews

## White Background



This preview shows how the YIQ color 172.9890, 27.1780, 58.1380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

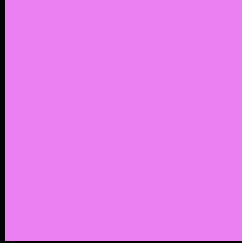
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 172.9890, 27.1780, 58.1380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

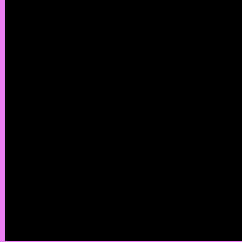
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 172.9890, 27.1780, 58.1380

## Background



This preview shows how black text looks on a background with the YIQ color 172.9890, 27.1780, 58.1380.



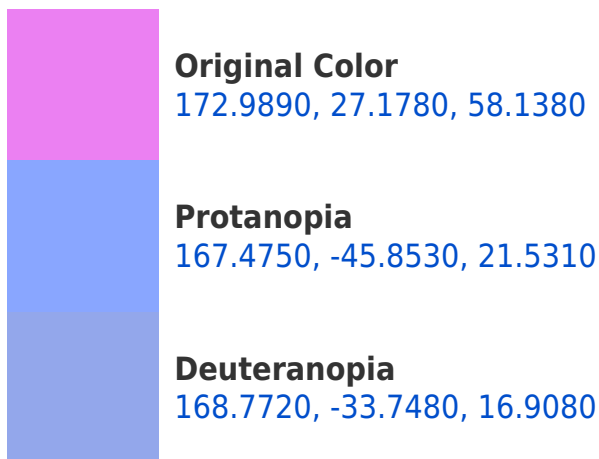
This preview shows how white text looks on a background with the YIQ color 172.9890, 27.1780,

58.1380.

# 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





## Tritanopia

171.3910, 42.0400, 20.0560

# Trichromacy



## Original Color

172.9890, 27.1780, 58.1380



## Protanomaly

169.4510, -18.9420, 34.9300



## Deuteranomaly

170.4640, -11.7890, 31.9470



## Tritanomaly

171.8980, 36.7190, 33.8950

# Monochromacy



## Original Color

172.9890, 27.1780, 58.1380



## Achromatopsia

173.0000, -0.0000, 0.0000



## Achromatomaly

173.3350, 10.0830, 21.0190

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 172.9890, 27.1780, 58.1380 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(235, 128, 242)` looks like.

```
.text, #text, p{  
    color:rgb(235, 128, 242)  
}
```

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(235, 128, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 128, 242) }
```

## Border

The CSS property to change the border of an element to YIQ 172.9890, 27.1780, 58.1380 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(235, 128, 242) }
```



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

```
.border{ border-color:rgb(235, 128, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 128, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 128, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 128, 242);  
box-shadow:4px 4px 4px 4px rgb(235, 128,  
242) }
```

# Background

The CSS property to change the background color of an element to YIQ 172.9890, 27.1780, 58.1380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 128, 242) }
```

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

```
.background{ background-color: rgb(235,  
128, 242) }
```

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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