

# Converting Colors

YIQ(177.5190, 31.0770, 48.0450)

Have a look what the booklet for  
YIQ(177.5190, 31.0770, 48.0450)  
contains.

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# Color

**YIQ(177.5190, 31.0770,  
48.0450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED8AE1
RGB	237, 138, 225
RGB Percent	93%, 54%, 88%
CMY	0.0703, 0.4590, 0.1176
CMYK	0.00, 0.42, 0.05, 0.07
HSL	307°, 73%, 74%
HSV	307°, 42%, 93%
XYZ	57.6248, 41.6194, 76.2405
YIQ	177.5190, 31.0770, 48.0450

# Conversions

## Conversions Part 2

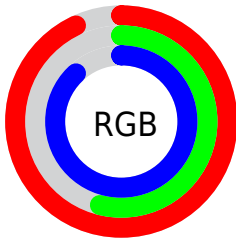
Format	Color
R <sub>Y</sub> B	237, 138, 225
Decimal	15567585
CIE Lab	70.61, 49.87, -28.27
CIE LCh	71, 57.330, 330.450
Yxy	41.6194, 0.3284, 0.2372
Android (android.graphics.Color)	4293757665 (0xFFED8AE1)
YUV	177.5190, 23.4081, 52.1648
Hunter-Lab	64.5131, 46.5432, -24.9089

# Details

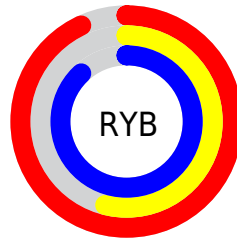
The YIQ color **177.5190, 31.0770, 48.0450** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **197.4810, -31.0770, -48.0450**, and the grayscale version is **177.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **219.1930, 16.7750, 31.9030**, and **122.6820, 29.0600, 46.0520** is the 20% darker color. If you saturate the color by 10%, you get **163.0890, 38.6400, 59.6640**, and if you desaturate by 10%, it is **191.9490, 23.5140, 36.4260**.

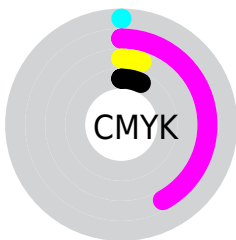
# Distribution



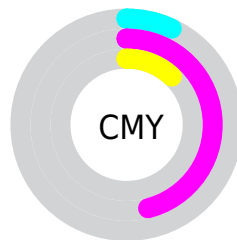
- Red (93%)
- Green (54%)
- Blue (88%)



- Red (93%)
- Yellow (54%)
- Blue (88%)



- Cyan (0%)
- Magenta (42%)
- Yellow (5%)
- Black (7%)




- Cyan (7%)
- Magenta (46%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 177.5190, 31.0770, 48.0450 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 177.5190, 31.0770, 48.0450 by changing the saturation by 10% instead.





 177.5190, 31.0770,  
48.0450

 177.5190, 31.0770,  
48.0450


255.0000, -0.0000,  
-0.0000

 149.8070, 30.2060,  
47.3100


 218.6060, 17.0500,  
32.4260


 122.6820, 29.0600,  
46.0520


 235.6290, 9.0750,  
17.2590

 95.4970, 28.1430,  
46.1510

 252.6520, 1.1000,  
2.0920

 68.0240, 28.0970,  
46.9850

 39.4910, 28.2800,  
49.1760

 28.9810, 20.4880,  
36.2000

 19.8950, 14.4380,

24.6940

■ 6.0250, -1.1480,  
9.7960

■ 0.0000, 0.0000,  
0.0000

■ 177.5190, 31.0770,  
48.0450

■ 177.5190, 31.0770,  
48.0450

■ 163.0890, 38.6400,  
59.6640

■ 191.9490, 23.5140,  
36.4260

■ 149.2460, 45.9280,  
70.7600

■ 205.7920, 16.2260,  
25.3300

■ 134.8160, 53.4910,  
82.3790

■ 220.2220, 8.6630,  
13.7110

■ 120.3860, 61.0540,  
93.9980

■ 234.6520, 1.1000,  
2.0920

106.0700, 68.2960,  
105.9280

247.7940, -5.5920,  
-8.7920

94.5750, 74.4840,  
114.9320

248.1360, -6.5550,  
-7.8590

248.4780, -7.5180,  
-6.9260

248.8200, -8.4810,  
-5.9930

249.1620, -9.4440,  
-5.0600

# Harmonies

## Analogous

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



175.0270, -20.6840, 33.4600



177.5190, 31.0770, 48.0450



170.6300, 61.2010, 41.7530

# Triad

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



177.5190, 31.0770, 48.0450



167.0710, 52.8230, -26.7050



141.7620, -126.3540, -33.8900

# Complementary

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



177.5190, 31.0770, 48.0450



197.4810, -31.0770, -48.0450

# 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.



135.8340, -109.6620, -50.0620



177.5190, 31.0770, 48.0450



161.7390, 12.2950, -41.1210

# Square

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



177.5190, 31.0770, 48.0450



170.3430, 76.3850, -2.1670



150.4670, -45.6570, -48.1290



141.1870, -134.3800, -20.5880



# Rectangle

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



177.5190, 31.0770, 48.0450



167.8140, 71.8860, 29.8220



150.4670, -45.6570, -48.1290



139.9380, -121.2180, -38.8660

# Sweetspot

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



177.5190, 31.0770, 48.0450



235.1730, 10.3590, 16.0150



152.8740, -24.6270, 33.3330



115.3310, 6.7380, 10.0500



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.



177.5190, 31.0770, 48.0450



178.6270, 40.0610, 61.4450



171.9330, 46.8060, 32.8060



110.4290, 3.3460, 5.4420



72.2450, 56.8370, 87.8210



21.5040, 17.0970, 26.0650



# Inverse Universe

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



177.5190, 31.0770, 48.0450



178.6270, 40.0610, 61.4450



203.0670, -46.8060, -32.8060



110.4290, 3.3460, 5.4420



72.2450, 56.8370, 87.8210



21.5040, 17.0970, 26.0650



# Previews

## White Background



This preview shows how the YIQ color 177.5190, 31.0770, 48.0450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

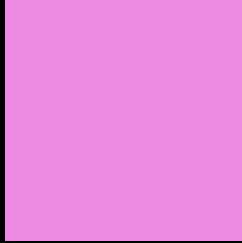
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 177.5190, 31.0770, 48.0450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

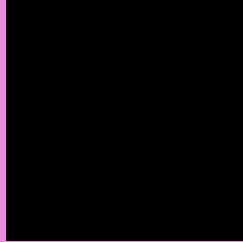
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 177.5190, 31.0770, 48.0450

## Background



This preview shows how black text looks on a background with the YIQ color 177.5190, 31.0770, 48.0450.



This preview shows how white text looks on a background with the YIQ color 177.5190, 31.0770,



# 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

177.5190, 31.0770, 48.0450

### Protanopia

172.5420, -38.7920, 20.2160

### Deuteranopia

174.3900, -18.1130, 14.3910



## Tritanopia

175.6900, 42.6360, 20.2680

# Trichromacy



## Original Color

177.5190, 31.0770, 48.0450



## Protanomaly

174.0400, -13.5310, 30.4770



## Deuteranomaly

175.3480, 0.0410, 26.8010



## Tritanomaly

176.2740, 38.4160, 30.6720

# Monochromacy



## Original Color

177.5190, 31.0770, 48.0450



## Achromatopsia

178.0000, -0.0000, -0.0000



## Achromatomaly

177.4120, 11.1840, 17.5840

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 177.5190, 31.0770, 48.0450 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, 138, 225)` looks like.

```
.text, #text, p{  
    color:rgb(237, 138, 225)  
}
```

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, 138, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 138, 225) }
```

## Border

The CSS property to change the border of an element to YIQ 177.5190, 31.0770, 48.0450 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, 138, 225) }
```



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

```
.border{ border-color:rgb(237, 138, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 138, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 138, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 138, 225);  
box-shadow:4px 4px 4px 4px rgb(237, 138,  
225) }
```

# Background

The CSS property to change the background color of an element to YIQ 177.5190, 31.0770, 48.0450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 138, 225) }
```

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

```
.background{ background-color: rgb(237,  
138, 225) }
```

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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