

# Converting Colors

YIQ(206.2240, 15.4900, 38.6740)

Have a look what the booklet for  
YIQ(206.2240, 15.4900, 38.6740)  
contains.

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# Color

**YIQ(206.2240, 15.4900,  
38.6740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5B1FF
RGB	245, 177, 255
RGB Percent	96%, 69%, 100%
CMY	0.0390, 0.3060, 0.0000
CMYK	0.04, 0.31, 0.00, 0.00
HSL	292°, 100%, 85%
HSV	292°, 31%, 100%
XYZ	71.4414, 58.0752, 102.0520
YIQ	206.2240, 15.4900, 38.6740

# Conversions

## Conversions Part 2

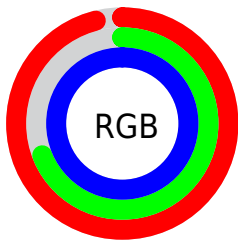
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 177, 255
Decimal	16101887
CIE Lab	80.78, 37.45, -28.86
CIE LCh	81, 47.286, 322.380
Yxy	58.0752, 0.3085, 0.2508
Android (android.graphics.Color)	4294291967 (0xFFFF5B1FF)
YUV	206.2240, 24.0466, 34.0066
Hunter-Lab	76.2071, 33.9750, -26.0527

# Details

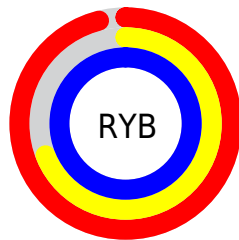
The YIQ color  $206.2240, 15.4900, 38.6740$  is a light color, and the websafe version is hex  $FFCCFF$ . A complement of this color would be  $225.7760, -15.4900, -38.6740$ , and the grayscale version is  $206.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $242.0860, 6.0500, 11.5060$ , and  $150.9850, 14.6650, 37.1050$  is the 20% darker color. If you saturate the color by 10%, you get  $190.0650, 20.8520, 51.6360$ , and if you desaturate by 10%, it is  $221.7960, 10.4030, 26.2350$ .

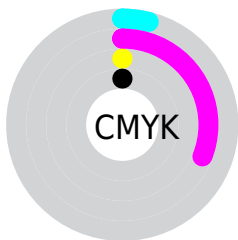
# Distribution



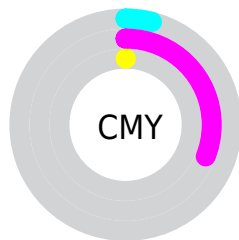
- Red (96%)
- Green (69%)
- Blue (100%)



- Red (96%)
- Yellow (69%)
- Blue (100%)



- Cyan (4%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (31%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 206.2240, 15.4900, 38.6740 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 206.2240, 15.4900, 38.6740 by changing the saturation by 10% instead.



■ 206.2240, 15.4900,  
38.6740

■ 206.2240, 15.4900,  
38.6740

255.0000, -0.0000,  
-0.0000

■ 178.3980, 14.9400,  
37.6280

■ 242.0860, 6.0500,  
11.5060

■ 150.9850, 14.6650,  
37.1050

■ 124.8600, 13.5190,  
35.8470

■ 99.0340, 12.9690,  
34.8010

■ 73.6210, 12.6940,  
34.2780

■ 48.3220, 12.0980,  
34.0660

■ 24.9090, 11.8230,

33.5430

■ 16.4210, 6.9650,  
22.4610

■ 3.4370, -8.3000,  
7.2520

■ 206.2240, 15.4900,  
38.6740

■ 206.2240, 15.4900,  
38.6740

■ 190.0650, 20.8520,  
51.6360

■ 221.7960, 10.4030,  
26.2350

■ 174.4930, 25.9390,  
64.0750

■ 238.2540, 5.6370,  
13.4850

■ 158.0350, 30.7050,  
76.8250

■ 253.8260, 0.5500,  
1.0460

■ 142.4630, 35.7920,  
89.2640

■ 255.0000, -0.0000,  
-0.0000

■ 126.3040, 41.1540,  
102.2260

■ 110.7320, 46.2410,  
114.6650

■ 95.4480, 50.4570,  
126.3690

# Harmonies

## Analogous

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



198.5730, -22.8820, 18.2220



206.2240, 15.4900, 38.6740



198.0830, 37.6360, 33.7960

# Triad

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



206.2240, 15.4900, 38.6740



198.1070, 53.1420, -15.9620



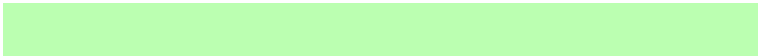
157.4630, -136.1180, -44.1660

# Complementary

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



206.2240, 15.4900, 38.6740



225.7760, -15.4900, -38.6740

# 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.



175.8400, -74.2680, -41.7240



206.2240, 15.4900, 38.6740



193.7390, 21.4630, -31.0570

# Square

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



206.2240, 15.4900, 38.6740



195.7790, 60.6580, 2.0180



187.5520, -20.6710, -38.3910



157.6230, -142.0800, -35.2320



# Rectangle

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



206.2240, 15.4900, 38.6740



194.0760, 47.5410, 24.9890



187.5520, -20.6710, -38.3910



156.3400, -131.5780, -49.3540

# Sweetspot

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



206.2240, 15.4900, 38.6740



240.6020, 4.5370, 11.3930



191.7620, -27.7880, 19.0280



118.5970, 2.9330, 7.4210



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.



206.2240, 15.4900, 38.6740



196.2340, 18.6980, 46.6180



205.9080, 30.7590, 31.7750



119.7710, 2.3830, 6.3750



71.7070, 38.2210, 94.8050



24.0400, 12.8320, 31.7760



# Inverse Universe

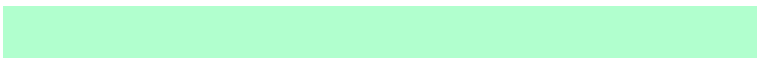
The Inverse Universe completely reimagines the original color for something new.



201.4620, 43.2780, 19.6460



190.4740, 52.1720, 23.6600



226.0920, -30.7590, -31.7750



119.0010, 7.4270, 3.0670



59.8450, 106.1320, 47.9560



20.0480, 35.5760, 16.0560



# Previews

## White Background



This preview shows how the YIQ color 206.2240, 15.4900, 38.6740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

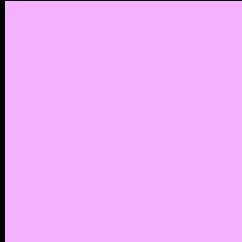
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 206.2240, 15.4900, 38.6740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

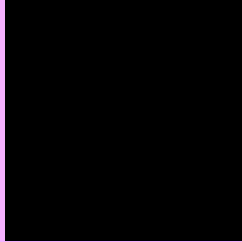
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 206.2240, 15.4900, 38.6740

## Background



This preview shows how black text looks on a background with the YIQ color 206.2240, 15.4900, 38.6740.



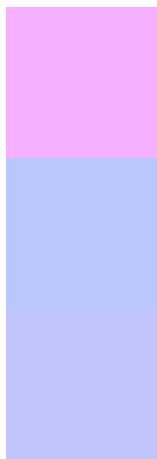
This preview shows how white text looks on a background with the YIQ color 206.2240, 15.4900,

38.6740.

# 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

206.2240, 15.4900, 38.6740

### Protanopia

201.4970, -25.7240, 14.6600

### Deuteranopia

202.2590, -19.1220, 16.1580



## Tritanopia

203.9590, 25.5810, 15.4770

# Trichromacy



## Original Color

206.2240, 15.4900, 38.6740



## Protanomaly

203.0800, -11.0080, 23.2960



## Deuteranomaly

203.9450, -6.1940, 24.1580



## Tritanomaly

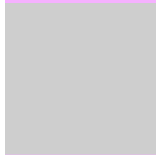
204.6740, 22.3700, 24.1140

# Monochromacy



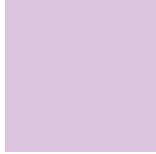
## Original Color

206.2240, 15.4900, 38.6740



## Achromatopsia

206.0000, -0.0000, 0.0000



## Achromatomaly

205.7810, 5.5910, 14.3190

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 206.2240, 15.4900, 38.6740 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(245, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 177, 255)  
}
```

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(245, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 177, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 206.2240, 15.4900, 38.6740 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(245, 177, 255) }
```



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

```
.border{ border-color:rgb(245, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 177,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 206.2240, 15.4900, 38.6740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 177, 255) }
```

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

```
.background{ background-color: rgb(245,  
177, 255) }
```

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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