

# Converting Colors

YIQ(197.9620, 13.4720, 42.2080)

Have a look what the booklet for  
YIQ(197.9620, 13.4720, 42.2080)  
contains.

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# Color

**YIQ(197.9620, 13.4720,  
42.2080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDA7FF
RGB	237, 167, 255
RGB Percent	93%, 65%, 100%
CMY	0.0704, 0.3452, 0.0000
CMYK	0.07, 0.35, 0.00, 0.00
HSL	288°, 100%, 83%
HSV	288°, 35%, 100%
XYZ	66.8067, 52.8607, 101.2866
YIQ	197.9620, 13.4720, 42.2080

# Conversions

## Conversions Part 2

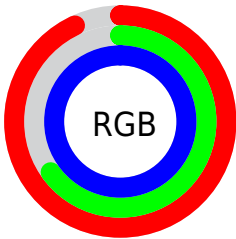
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 167, 255
Decimal	15575039
CIE <sub>Lab</sub>	77.79, 40.28, -33.52
CIE <sub>LCh</sub>	78, 52.407, 320.230
Yxy	52.8607, 0.3024, 0.2392
Android (android.graphics.Color)	4293765119 (0xFFEDA7FF)
YUV	197.9620, 28.1197, 34.2363
Hunter-Lab	72.7054, 36.7835, -31.7037

# Details

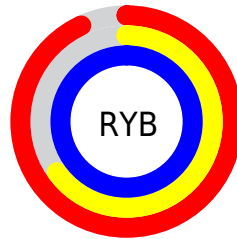
The YIQ color  $197.9620, 13.4720, 42.2080$  is a light color, and the websafe version is hex  $CC99FF$ . A complement of this color would be  $224.0380, -13.4720, -42.2080$ , and the grayscale version is  $198.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $236.2160, 8.8000, 16.7360$ , and  $143.3100, 12.3720, 40.1160$  is the 20% darker color. If you saturate the color by 10%, you get  $181.2050, 17.6420, 54.7460$ , and if you desaturate by 10%, it is  $214.1320, 9.5770, 30.1930$ .

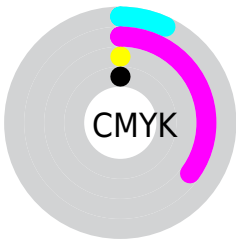
# Distribution



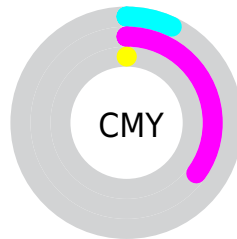
- Red (93%)
- Green (65%)
- Blue (100%)



- Red (93%)
- Yellow (65%)
- Blue (100%)



- Cyan (7%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (35%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 197.9620, 13.4720, 42.2080 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 197.9620, 13.4720, 42.2080 by changing the saturation by 10% instead.




 197.9620, 13.4720,  
42.2080


 197.9620, 13.4720,  
42.2080


255.0000, -0.0000,  
-0.0000


 170.1360, 12.9220,  
41.1620


 236.2160, 8.8000,  
16.7360


 143.3100, 12.3720,  
40.1160

 253.2390, 0.8250,  
1.5690

 116.4840, 11.8220,  
39.0700

 90.7720, 10.9510,  
38.3350

 65.3590, 10.6760,  
37.8120

 39.1850, 11.2260,  
38.8580

 22.5170, 7.0550,

31.8470

■ 13.6160, 1.9220,  
20.2420

■ 3.3230, -7.9790,  
6.9410

■ 197.9620, 13.4720,  
42.2080

■ 197.9620, 13.4720,  
42.2080

■ 181.2050, 17.6420,  
54.7460

■ 214.1320, 9.5770,  
30.1930

■ 165.0350, 21.5370,  
66.7610

■ 230.8890, 5.4070,  
17.6550

■ 147.9790, 25.1110,  
79.0870

■ 247.3580, 2.1080,  
5.8520

■ 131.8090, 29.0060,  
91.1020

■ 255.0000, -0.0000,  
-0.0000

■ 115.0520, 33.1760,  
103.6400

■ 98.8820, 37.0710,  
115.6550

■ 89.7670, 39.1330,  
122.3410

# Harmonies

## Analogous

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



189.3810, -31.0890, 18.2790



197.9620, 13.4720, 42.2080



190.5830, 42.2200, 38.8280

# Triad

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



197.9620, 13.4720, 42.2080



189.4020, 59.5610, -16.6550



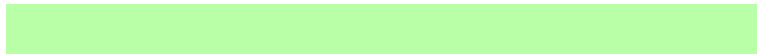
152.9150, -131.5790, -43.8270

# Complementary

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



197.9620, 13.4720, 42.2080



224.0380, -13.4720, -42.2080

# 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.



160.0830, -88.4340, -49.3140



197.9620, 13.4720, 42.2080



185.0830, 26.1860, -34.0540

# Square

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



197.9620, 13.4720, 42.2080



187.2530, 68.1310, 4.2510



178.2160, -19.8450, -42.3490



154.1010, -140.4300, -32.0940



# Rectangle

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



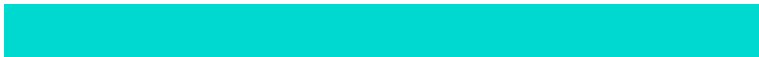
197.9620, 13.4720, 42.2080



185.6470, 53.3630, 29.6110



178.2160, -19.8450, -42.3490



151.0910, -126.4430, -48.8030

# Sweetspot

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



197.9620, 13.4720, 42.2080



238.8300, 3.8950, 12.0150



188.1850, -33.4730, 17.4310



117.4120, 2.0160, 7.5200



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.



197.9620, 13.4720, 42.2080



187.0860, 16.3590, 50.4630



200.4940, 32.2250, 38.2490



119.4720, 1.7870, 6.1630



67.2220, 29.2810, 91.6250



22.5450, 9.8520, 30.7160



# Inverse Universe

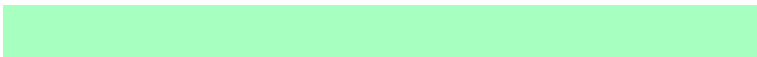
The Inverse Universe completely reimagines the original color for something new.



195.3640, 46.6700, 24.2540



183.9030, 55.5180, 29.1020



221.5060, -32.2250, -38.2490



119.1150, 7.1060, 3.3780



61.5550, 101.3170, 52.6210

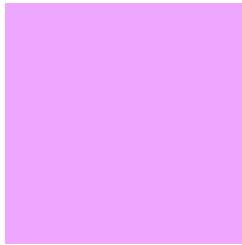


20.6180, 33.9710, 17.6110



# Previews

## White Background



This preview shows how the YIQ color 197.9620, 13.4720, 42.2080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

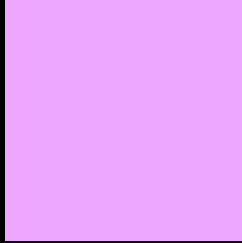
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 197.9620, 13.4720, 42.2080 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

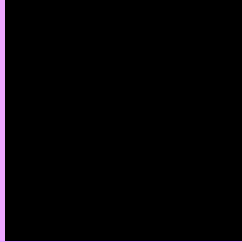
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 197.9620, 13.4720, 42.2080

## Background



This preview shows how black text looks on a background with the YIQ color 197.9620, 13.4720, 42.2080.



This preview shows how white text looks on a background with the YIQ color 197.9620, 13.4720,



# 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

197.9620, 13.4720, 42.2080

### Protanopia

192.6260, -30.4010, 16.8230

### Deuteranopia

193.3770, -25.2660, 17.3740



## Tritanopia

195.2470, 24.7100, 14.7420

# Trichromacy



## Original Color

197.9620, 13.4720, 42.2080



## Protanomaly

194.8070, -14.4930, 25.8830



## Deuteranomaly

195.0740, -10.8710, 26.3210



## Tritanomaly

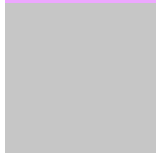
196.4180, 20.2150, 24.6230

# Monochromacy



## Original Color

197.9620, 13.4720, 42.2080



## Achromatopsia

198.0000, -0.0000, 0.0000



## Achromatomaly

198.1230, 4.6280, 15.2520

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 197.9620, 13.4720, 42.2080 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, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 167, 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(237, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 167, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 197.9620, 13.4720, 42.2080 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, 167, 255) }
```



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

```
.border{ border-color:rgb(237, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 167,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 197.9620, 13.4720, 42.2080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 167, 255) }
```

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

```
.background{ background-color: rgb(237,  
167, 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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