

# Converting Colors

YIQ(139.9500, 14.8870, 77.1510)

Have a look what the booklet for  
YIQ(139.9500, 14.8870, 77.1510)  
contains.

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# Color

**YIQ(139.9500, 14.8870,  
77.1510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CA56FF
RGB	202, 86, 255
RGB Percent	79%, 34%, 100%
CMY	0.2075, 0.6629, 0.0001
CMYK	0.21, 0.66, 0.00, 0.00
HSL	281°, 100%, 67%
HSV	281°, 66%, 100%
XYZ	45.7544, 26.4368, 97.2836
YIQ	139.9500, 14.8870, 77.1510

# Conversions

## Conversions Part 2

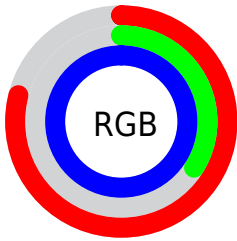
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 86, 255
Decimal	13260543
CIE <sub>Lab</sub>	58.45, 70.96, -64.27
CIE <sub>LCh</sub>	58, 95.739, 317.833
Yxy	26.4368, 0.2700, 0.1560
Android (android.graphics.Color)	4291450623 (0xFFCA56FF)
YUV	139.9500, 56.7197, 54.4179
Hunter-Lab	51.4167, 68.8632, -76.1886

# Details

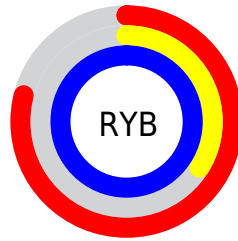
The YIQ color **139.9500, 14.8870, 77.1510** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **201.0500, -14.8870, -77.1510**, and the grayscale version is **139.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **189.2560, 30.8000, 58.5760**, and **75.7810, 17.0410, 82.1690** is the 20% darker color. If you saturate the color by 10%, you get **122.2960, 17.2690, 89.0530**, and if you desaturate by 10%, it is **157.0170, 12.7800, 65.7720**.

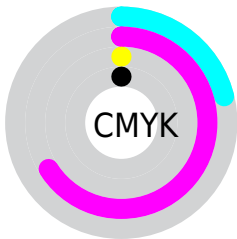
# Distribution



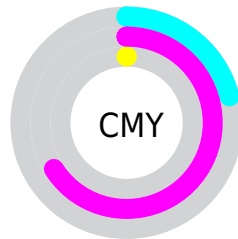
- Red (79%)
- Green (34%)
- Blue (100%)



- Red (79%)
- Yellow (34%)
- Blue (100%)



- Cyan (21%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (66%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 139.9500, 14.8870, 77.1510 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 139.9500, 14.8870, 77.1510 by changing the saturation by 10% instead.



139.9500, 14.8870,  
77.1510

139.9500, 14.8870,  
77.1510

255.0000, -0.0000,  
-0.0000

110.3630, 15.1620,  
77.6740

189.2560, 30.8000,  
58.5760

75.7810, 17.0410,  
82.1690

205.6920, 23.1000,  
43.9320

53.3520, 13.6950,  
76.7270

222.7150, 15.1250,  
28.7650

41.6030, 5.0780,  
62.1820

240.3250, 6.8750,  
13.0750

29.9680, -3.8600,  
47.9480

18.0340, -13.3940,  
33.5020

7.5240, -21.1860,

20.5260

■ 6.5490, -14.3070,  
11.4930

■ 2.9810, -7.0160,  
6.0080

■ 139.9500, 14.8870,  
77.1510

■ 139.9500, 14.8870,  
77.1510

■ 122.2960, 17.2690,  
89.0530

■ 157.0170, 12.7800,  
65.7720

■ 105.2290, 19.3760,  
100.4320

■ 174.6710, 10.3980,  
53.8700

■ 87.5750, 21.7580,  
112.3340

■ 191.7380, 8.2910,  
42.4910

■ 81.3950, 22.4450,  
116.4050

■ 209.3920, 5.9090,  
30.5890

■ 226.4590, 3.8020,  
19.2100

■ 244.1130, 1.4200,  
7.3080

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



107.7280, -118.7050, 9.2230



139.9500, 14.8870, 77.1510



96.5370, 94.8420, 109.4180

# Triad

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



139.9500, 14.8870, 77.1510



132.8760, 84.2290, -23.1870



124.3850, -109.1150, -32.4350

# Complementary

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



139.9500, 14.8870, 77.1510



201.0500, -14.8870, -77.1510

# 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.



113.1790, -80.3170, -58.7570



139.9500, 14.8870, 77.1510



126.3000, 32.1040, -53.2080

# Square

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



139.9500, 14.8870, 77.1510



121.7320, 129.9340, 13.0540



97.4420, -45.6500, -86.8180



130.6210, -129.4300, -11.1740



# Rectangle

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



139.9500, 14.8870, 77.1510



90.2670, 112.4970, 92.3130



97.4420, -45.6500, -86.8180



121.0790, -99.8060, -41.4540

# Sweetspot

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



139.9500, 14.8870, 77.1510



220.2790, 4.4890, 23.2810



136.3770, -68.8240, 24.8400



106.8130, 2.5650, 14.0930



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.



139.9500, 14.8870, 77.1510



116.1160, 17.9560, 93.1240



152.2630, 56.4260, 78.7460



119.1730, 1.1910, 5.9510



60.9430, 16.7650, 87.1730



20.4520, 5.6800, 29.2320



# Inverse Universe

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



142.5730, 83.7110, 52.3110



119.2920, 101.0400, 63.1520



188.7370, -56.4260, -78.7460



119.3430, 6.4640, 4.0000



63.9490, 94.5760, 59.1520

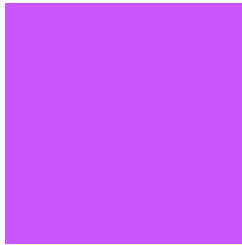


21.4160, 31.7240, 19.7880



# Previews

## White Background



This preview shows how the YIQ color 139.9500, 14.8870, 77.1510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

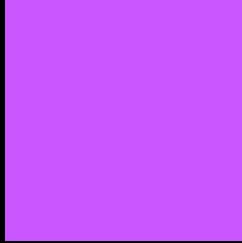
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 139.9500, 14.8870, 77.1510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

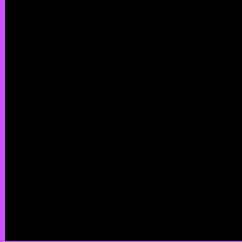
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 139.9500, 14.8870, 77.1510

## Background



This preview shows how black text looks on a background with the YIQ color 139.9500, 14.8870, 77.1510.



This preview shows how white text looks on a background with the YIQ color 139.9500, 14.8870,



# 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

139.9500, 14.8870, 77.1510

### Protanopia

133.7080, -71.2540, 24.8260

### Deuteranopia

128.2130, -83.4020, 13.7020



## Tritanopia

142.6670, 32.2750, 15.3070

# Trichromacy



## Original Color

139.9500, 14.8870, 77.1510



## Protanomaly

135.7110, -39.8050, 44.0910



## Deuteranomaly

132.7760, -47.5980, 36.6420



## Tritanomaly

141.5580, 26.1730, 37.7970

# Monochromacy



## Original Color

139.9500, 14.8870, 77.1510



## Achromatopsia

140.0000, 0.0000, 0.0000



## Achromatomaly

139.9250, 5.7260, 28.3980

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 139.9500, 14.8870, 77.1510 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(202, 86, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 86, 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(202, 86, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 86, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 139.9500, 14.8870, 77.1510 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(202, 86, 255) }
```



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

```
.border{ border-color:rgb(202, 86, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 86, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 86, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 86, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 86,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 139.9500, 14.8870, 77.1510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 86, 255) }
```

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

```
.background{ background-color: rgb(202, 86,  
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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