

Converting Colors

YIQ(167.8930, 9.8930, 57.5170)

Have a look what the booklet for
YIQ(167.8930, 9.8930, 57.5170)
contains.

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Color

**YIQ(167.8930, 9.8930,
57.5170)**

Conversions

Conversions Part 1

Format	Color
Hex	D580FF
RGB	213, 128, 255
RGB Percent	84%, 50%, 100%
CMY	0.1644, 0.4982, 0.0001
CMYK	0.16, 0.50, 0.00, 0.00
HSL	280°, 100%, 75%
HSV	280°, 50%, 100%
XYZ	53.2235, 36.8050, 98.8939
YIQ	167.8930, 9.8930, 57.5170

Conversions

Conversions Part 2

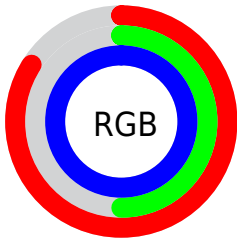
Format	Color
R _Y B	213, 128, 255
Decimal	13992191
CIE Lab	67.13, 53.80, -50.36
CIE LCh	67, 73.691, 316.893
Yxy	36.8050, 0.2817, 0.1948
Android (android.graphics.Color)	4292182271 (0xFFD580FF)
YUV	167.8930, 42.9438, 39.5588
Hunter-Lab	60.6671, 50.4313, -54.1821

Details

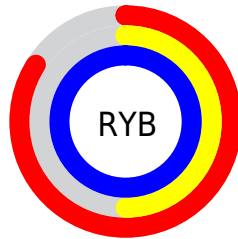
The YIQ color **167.8930, 9.8930, 57.5170** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **215.1070, -9.8930, -57.5170**, and the grayscale version is **167.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **212.7360, 19.8000, 37.6560**, and **113.2410, 8.7930, 55.4250** is the 20% darker color. If you saturate the color by 10%, you get **150.2390, 12.2750, 69.4190**, and if you desaturate by 10%, it is **184.9600, 7.7860, 46.1380**.

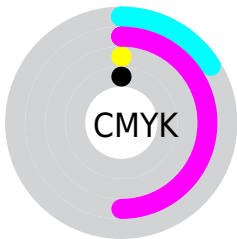
Distribution



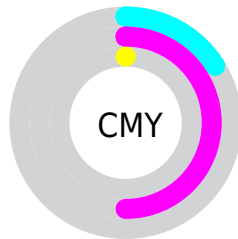
- Red (84%)
- Green (50%)
- Blue (100%)



- Red (84%)
- Yellow (50%)
- Blue (100%)



- Cyan (16%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 167.8930, 9.8930, 57.5170 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 167.8930, 9.8930, 57.5170 by changing the saturation by 10% instead.

167.8930, 9.8930,
57.5170

167.8930, 9.8930,
57.5170

255.0000, -0.0000,
-0.0000

140.0670, 9.3430,
56.4710

212.7360, 19.8000,
37.6560

113.2410, 8.7930,
55.4250

229.1720, 12.1000,
23.0120

85.8280, 8.5180,
54.9020

246.1950, 4.1250,
7.8450

56.7680, 8.7470,
56.2590

35.1650, 5.9510,
51.8630

24.1280, -1.7950,
38.0530

13.6180, -9.5870,

25.0770

■ 6.7770, -14.9490,
12.1150

■ 3.0950, -7.3370,
6.3190

■ 167.8930, 9.8930,
57.5170

■ 167.8930, 9.8930,
57.5170

■ 150.2390, 12.2750,
69.4190

■ 184.9600, 7.7860,
46.1380

■ 132.8730, 13.7860,
80.5860

■ 202.9130, 6.0000,
34.4480

■ 115.2190, 16.1680,
92.4880

■ 219.9800, 3.8930,
23.0690

■ 97.8530, 17.6790,
103.6550

■ 237.9330, 2.1070,
11.3790

■ 80.1990, 20.0610,
115.5570

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.



150.8190, -67.4930, 17.2350



167.8930, 9.8930, 57.5170



157.1750, 61.8850, 62.4050

Triad

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



167.8930, 9.8930, 57.5170



153.5310, 89.2740, -32.0220



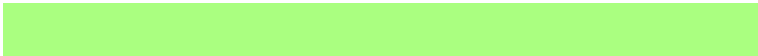
136.6780, -117.5500, -39.2620

Complementary

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



167.8930, 9.8930, 57.5170



215.1070, -9.8930, -57.5170

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.



127.6380, -94.8510, -59.6750



167.8930, 9.8930, 57.5170



148.8040, 48.0600, -56.0360

Square

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



167.8930, 9.8930, 57.5170



155.0240, 96.8770, 11.9250



139.3270, -25.2520, -60.0040



141.1870, -134.3800, -20.5880

Rectangle

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



167.8930, 9.8930, 57.5170



148.6370, 77.6590, 51.8590



139.3270, -25.2520, -60.0040



134.0560, -110.1670, -46.4150

Sweetspot

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



167.8930, 9.8930, 57.5170



228.8070, 2.7020, 17.1180



167.1320, -52.3170, 17.5310



112.1070, 1.5570, 10.3330



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.



167.8930, 9.8930, 57.5170



150.2390, 12.2750, 69.4190



178.0570, 41.6660, 59.8900



118.8740, 0.5950, 5.7390



60.0460, 14.9770, 86.5370



20.1530, 5.0840, 29.0200

Inverse Universe

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



170.7610, 62.2100, 39.9860



153.4470, 75.1380, 47.9860



204.9430, -41.6660, -59.8900



119.3430, 6.4640, 4.0000



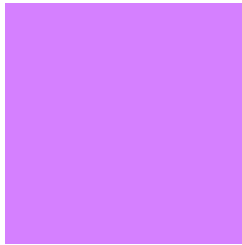
64.2910, 93.6130, 60.0850



21.5300, 31.4030, 20.0990

Previews

White Background



This preview shows how the YIQ color 167.8930, 9.8930, 57.5170 looks on a white background.

Color Contrast Check

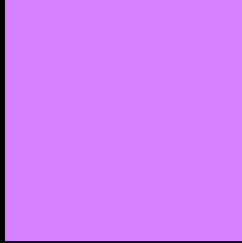
Large Text (above 18pt) WCAG AA × Fail

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 167.8930, 9.8930, 57.5170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

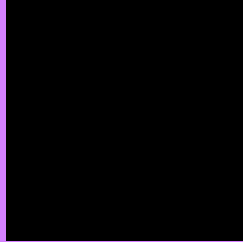
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 167.8930, 9.8930, 57.5170

Background



This preview shows how black text looks on a background with the YIQ color 167.8930, 9.8930, 57.5170.



This preview shows how white text looks on a background with the YIQ color 167.8930, 9.8930,

57.5170.

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

167.8930, 9.8930, 57.5170

Protanopia

161.8490, -49.8420, 22.2380

Deuteranopia

160.7300, -51.1250, 17.9550



Tritanopia

166.0190, 25.3520, 14.1200

Trichromacy



Original Color

167.8930, 9.8930, 57.5170



Protanomaly

164.0740, -28.0660, 35.0860



Deuteranomaly

163.3080, -28.8450, 32.6830



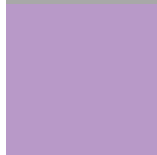
Original Color

167.8930, 9.8930, 57.5170



Achromatopsia

168.0000, -0.0000, -0.0000



Achromatomaly

167.6270, 3.3890, 21.1890

CSS Examples

Text

The CSS property to change the color of the text to YIQ 167.8930, 9.8930, 57.5170 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(213, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 128, 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(213, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 128, 255) }
```

Border

The CSS property to change the border of an element to YIQ 167.8930, 9.8930, 57.5170 is called "border". The border property can be set on classes, ids or directly on the HTML element.

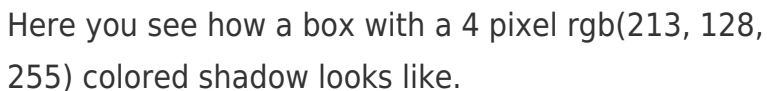
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 128, 255) }
```


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

```
.border{ border-color:rgb(213, 128, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(213, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 128,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 167.8930, 9.8930, 57.5170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 128, 255) }
```

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

```
.background{ background-color: rgb(213,  
128, 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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