

# Converting Colors

YIQ(166.3650, 2.5120, 53.6160)

Have a look what the booklet for  
YIQ(166.3650, 2.5120, 53.6160)  
contains.

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# Color

**YIQ(166.3650, 2.5120,  
53.6160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CA83FF
RGB	202, 131, 255
RGB Percent	79%, 51%, 100%
CMY	0.2076, 0.4864, 0.0001
CMYK	0.21, 0.49, 0.00, 0.00
HSL	274°, 100%, 76%
HSV	274°, 49%, 100%
XYZ	50.5329, 36.0086, 98.8762
YIQ	166.3650, 2.5120, 53.6160

# Conversions

## Conversions Part 2

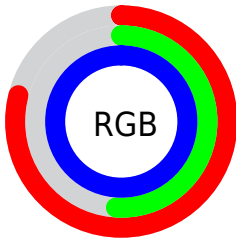
Format	Color
R <sub>Y</sub> B	202, 131, 255
Decimal	13272063
CIE Lab	66.53, 49.34, -51.39
CIE LCh	67, 71.239, 313.834
Yxy	36.0086, 0.2725, 0.1942
Android (android.graphics.Color)	4291462143 (0xFFCA83FF)
YUV	166.3650, 43.6971, 31.2519
Hunter-Lab	60.0071, 45.3050, -55.6895

# Details

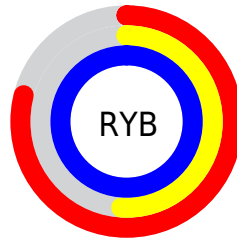
The YIQ color **166.3650, 2.5120, 53.6160** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **219.6350, -2.5120, -53.6160**, and the grayscale version is **166.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **214.4970, 18.9750, 36.0870**, and **112.3000, 1.1370, 51.0010** is the 20% darker color. If you saturate the color by 10%, you get **147.8140, 3.1060, 64.8820**, and if you desaturate by 10%, it is **184.3290, 2.1930, 42.8730**.

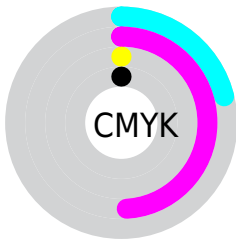
# Distribution



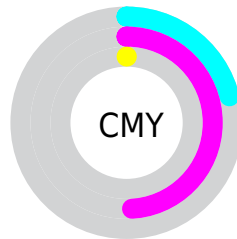
- Red (79%)
- Green (51%)
- Blue (100%)



- Red (79%)
- Yellow (51%)
- Blue (100%)



- Cyan (21%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (49%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 166.3650, 2.5120, 53.6160 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 166.3650, 2.5120, 53.6160 by changing the saturation by 10% instead.




 166.3650, 2.5120,  
53.6160


 166.3650, 2.5120,  
53.6160

255.0000, -0.0000,  
-0.0000


 139.1260, 1.6870,  
52.0470

 214.4970, 18.9750,  
36.0870


 112.3000, 1.1370,  
51.0010


 230.9330, 11.2750,  
21.4430

 85.7730, 1.1830,  
50.1670

 247.9560, 3.3000,  
6.2760

 58.4740, 0.5870,  
49.9550

 32.1750, -0.0090,  
49.7430

 20.8390, -8.3510,  
35.7210

 8.5350, -19.7190,

21.4730

■ 6.7770, -14.9490,  
12.1150

■ 3.0950, -7.3370,  
6.3190

■ 166.3650, 2.5120,  
53.6160

■ 166.3650, 2.5120,  
53.6160

■ 147.8140, 3.1060,  
64.8820

■ 184.3290, 2.1930,  
42.8730

■ 129.8500, 3.4250,  
75.6250

■ 202.8800, 1.5990,  
31.6070

■ 111.2990, 4.0190,  
86.8910

■ 220.8440, 1.2800,  
20.8640

■ 93.6340, 4.9340,  
97.8460

■ 239.3950, 0.6860,  
9.5980

■ 75.0830, 5.5280, 255.0000, -0.0000,  
109.1120 -0.0000

■ 72.7240, 5.1610,  
110.2570

# Harmonies

## Analogous

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



146.3230, -77.9000, 13.1080



166.3650, 2.5120, 53.6160



159.9790, 59.5010, 61.5570

# Triad

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



166.3650, 2.5120, 53.6160



154.0610, 85.1460, -23.2860



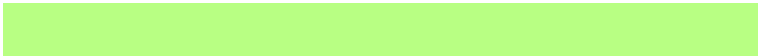
134.4780, -114.1110, -41.0150

# Complementary

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



166.3650, 2.5120, 53.6160



219.6350, -2.5120, -53.6160

# 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.



125.0790, -91.7790, -60.2830



166.3650, 2.5120, 53.6160



147.9510, 52.1400, -52.8840

# Square

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



166.3650, 2.5120, 53.6160



154.6480, 95.1800, 15.1480



140.9970, -15.3950, -56.9230



139.3290, -131.9040, -21.4080



# Rectangle

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



166.3650, 2.5120, 53.6160



150.3810, 75.5040, 52.3680



140.9970, -15.3950, -56.9230



131.2690, -106.4530, -47.6450

# Sweetspot

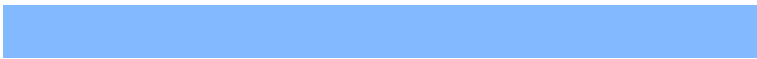
The Sweet Spot groups the original color and five complimentary colors.



166.3650, 2.5120, 53.6160



227.9100, 0.9140, 16.4820



176.8340, -54.6540, 10.3220



111.5090, 0.3650, 9.9090



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.



166.3650, 2.5120, 53.6160



149.2870, 3.1520, 64.0480



181.3000, 36.6680, 62.3640



118.5750, -0.0010, 5.5270



54.6640, 4.2490, 82.7210



18.3590, 1.5080, 27.7480



# Inverse Universe

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



174.1180, 56.8910, 42.7710



158.4340, 67.9850, 50.9690



204.7000, -36.6680, -62.3640



119.4570, 6.1430, 4.3110



66.4570, 87.5140, 65.9940

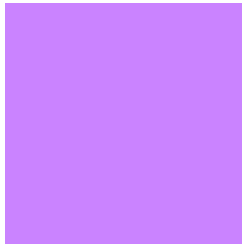


22.2140, 29.4770, 21.9650



# Previews

## White Background



This preview shows how the YIQ color 166.3650, 2.5120, 53.6160 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

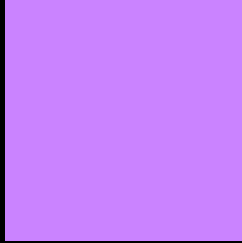
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 166.3650, 2.5120, 53.6160 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 166.3650, 2.5120, 53.6160

## Background



This preview shows how black text looks on a background with the YIQ color 166.3650, 2.5120, 53.6160.



This preview shows how white text looks on a background with the YIQ color 166.3650, 2.5120,

53.6160.

# 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

166.3650, 2.5120, 53.6160

### Protanopia

159.7780, -51.0800, 22.6480

### Deuteranopia

158.7620, -54.1510, 17.7290



## Tritanopia

163.8330, 17.0080, 11.1520

# Trichromacy



## Original Color

166.3650, 2.5120, 53.6160



## Protanomaly

162.2800, -31.6420, 33.8140



## Deuteranomaly

161.8020, -33.2920, 30.6760



## Tritanomaly

164.3940, 11.5950, 26.6590

# Monochromacy



## Original Color

166.3650, 2.5120, 53.6160



## Achromatopsia

166.0000, -0.0000, 0.0000



## Achromatomaly

165.9040, 1.0510, 19.5070

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 166.3650, 2.5120, 53.6160 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, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 131, 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, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 131, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 166.3650, 2.5120, 53.6160 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, 131, 255) }
```



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

```
.border{ border-color:rgb(202, 131, 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, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 131, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 131, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 131,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 166.3650, 2.5120, 53.6160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 131, 255) }
```

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

```
.background{ background-color: rgb(202,  
131, 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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