

# Converting Colors

YIQ(127.2250, 6.8630, 79.3990)

Have a look what the booklet for  
YIQ(127.2250, 6.8630, 79.3990)  
contains.

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# Color

**YIQ(127.2250, 6.8630,  
79.3990)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B74AFF
RGB	183, 74, 255
RGB Percent	72%, 29%, 100%
CMY	0.2820, 0.7100, 0.0001
CMYK	0.28, 0.71, 0.00, 0.00
HSL	276°, 100%, 64%
HSV	276°, 71%, 100%
XYZ	40.0421, 22.1886, 96.7558
YIQ	127.2250, 6.8630, 79.3990

# Conversions

## Conversions Part 2

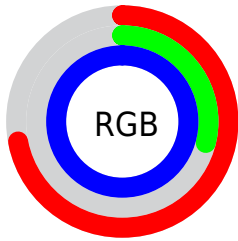
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	183, 74, 255
Decimal	12012287
CIE <sub>Lab</sub>	54.23, 72.13, -71.20
CIE <sub>LCh</sub>	54, 101.349, 315.370
Y <sub>xy</sub>	22.1886, 0.2519, 0.1396
Android (android.graphics.Color)	4290202367 (0xFFB74AFF)
Y <sub>UV</sub>	127.2250, 62.9931, 48.9147
Hunter-Lab	47.1047, 69.3034, -88.8117

# Details

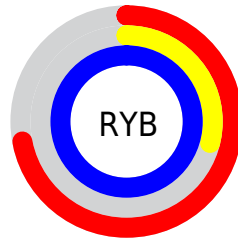
The YIQ color  $127.2250, 6.8630, 79.3990$  is a light color, and the websafe version is hex  $CC33FF$ . The color can be described as light washed purple. A complement of this color would be  $201.7750, -6.8630, -79.3990$ , and the grayscale version is  $127.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $178.6240, 26.9480, 62.3080$ , and  $59.5340, 10.6670, 87.5550$  is the 20% darker color. If you saturate the color by 10%, you get  $108.9730, 8.0530, 90.8770$ , and if you desaturate by 10%, it is  $144.8900, 5.9480, 68.4440$ .

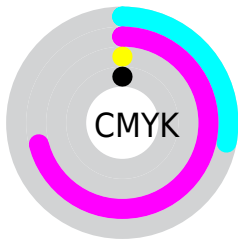
# Distribution



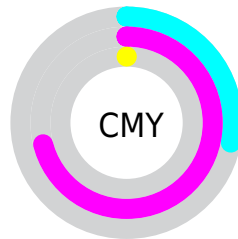
- Red (72%)
- Green (29%)
- Blue (100%)



- Red (72%)
- Yellow (29%)
- Blue (100%)



- Cyan (28%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (71%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 127.2250, 6.8630, 79.3990 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 127.2250, 6.8630, 79.3990 by changing the saturation by 10% instead.



127.2250, 6.8630,  
79.3990

127.2250, 6.8630,  
79.3990

255.0000, -0.0000,  
-0.0000

96.7520, 6.8170,  
80.2330

178.6240, 26.9480,  
62.3080

59.5340, 10.6670,  
87.5550

198.6480, 26.4000,  
50.2080

47.3720, 1.7750,  
72.4870

215.6710, 18.4250,  
35.0410

35.0250, -8.0340,  
57.5180

232.6940, 10.4500,  
19.8740

21.4820, -20.2270,  
41.7010

250.3040, 2.2000,  
4.1840

10.2600, -28.8900,  
27.9900

9.7580, -21.9650,

18.1230

■ 6.5490, -14.3070,  
11.4930

■ 2.8670, -6.6950,  
5.6970

■ 127.2250, 6.8630,  
79.3990

■ 127.2250, 6.8630,  
79.3990

■ 108.9730, 8.0530,  
90.8770

■ 144.8900, 5.9480,  
68.4440

■ 91.3080, 8.9680,  
101.8320

■ 163.1420, 4.7580,  
56.9660

■ 75.1160, 9.9290,  
111.9530

■ 180.8070, 3.8430,  
46.0110

■ 199.3580, 3.2490,  
34.7450

■ 217.0230, 2.3340,  
23.7900

■ 235.2750, 1.1440,  
12.3120

■ 252.9400, 0.2290,  
1.3570

■ 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.



103.6190, -116.7800, 12.8840



127.2250, 6.8630, 79.3990



96.3090, 95.4840, 108.7960

# Triad

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



127.2250, 6.8630, 79.3990



122.2770, 84.7780, -16.6140



116.1040, -100.9540, -31.6580

# Complementary

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



127.2250, 6.8630, 79.3990



201.7750, -6.8630, -79.3990

# 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.



103.8550, -70.5970, -58.7010



127.2250, 6.8630, 79.3990



116.8640, 30.6360, -48.6280

# Square

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



127.2250, 6.8630, 79.3990



103.5020, 134.0580, 26.4260



90.9850, -42.6250, -81.0650



124.7510, -126.6800, -5.9440



# Rectangle

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



127.2250, 6.8630, 79.3990



89.6970, 114.1020, 90.7580



90.9850, -42.6250, -81.0650



112.0970, -91.0490, -40.4650

# Sweetspot

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



127.2250, 6.8630, 79.3990



217.0230, 2.3340, 23.7900



136.8980, -77.9010, 18.6350



105.3290, 1.0520, 13.9800



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.



127.2250, 6.8630, 79.3990



101.9070, 8.4190, 95.2590



146.7010, 55.5530, 89.0650



118.5750, -0.0010, 5.5270



56.1590, 7.2290, 83.7810



18.6580, 2.1040, 27.9600



# Inverse Universe

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



136.3270, 84.7640, 60.7640



112.6870, 101.7260, 72.7500



182.2990, -55.5530, -89.0650



119.4570, 6.1430, 4.3110



65.7730, 89.4400, 64.1280

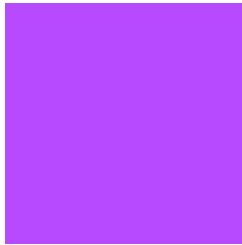


21.9860, 30.1190, 21.3430



# Previews

## White Background



This preview shows how the YIQ color 127.2250, 6.8630, 79.3990 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 127.2250, 6.8630, 79.3990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

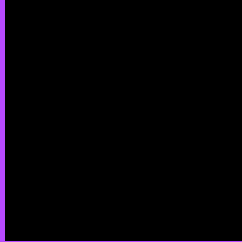
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 127.2250, 6.8630, 79.3990

## Background



This preview shows how black text looks on a background with the YIQ color 127.2250, 6.8630, 79.3990.



This preview shows how white text looks on a background with the YIQ color 127.2250, 6.8630,



# 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

127.2250, 6.8630, 79.3990

### Protanopia

116.4870, -89.6850, 22.9470

### Deuteranopia

103.9320, -110.7720, 3.1160



## Tritanopia

131.8830, 22.7390, 11.9150

# Trichromacy



## Original Color

127.2250, 6.8630, 79.3990



## Protanomaly

120.2840, -54.6600, 43.4840



## Deuteranomaly

112.5500, -67.6330, 30.7910



## Tritanomaly

130.2410, 16.8200, 36.5960

# Monochromacy



## Original Color

127.2250, 6.8630, 79.3990



## Achromatopsia

127.0000, -0.0000, -0.0000



## Achromatomaly

127.1850, 2.0580, 28.7940

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 127.2250, 6.8630, 79.3990 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(183, 74, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 74, 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(183, 74, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 74, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 127.2250, 6.8630, 79.3990 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(183, 74, 255) }
```



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

```
.border{ border-color:rgb(183, 74, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 74, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 74, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 74, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 74,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 127.2250, 6.8630, 79.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 74, 255) }
```

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

```
.background{ background-color: rgb(183, 74,  
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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