

# Converting Colors

YIQ(152.9880, -6.6120, 53.7720)

Have a look what the booklet for  
YIQ(152.9880, -6.6120, 53.7720)  
contains.

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# Color

**YIQ(152.9880, -6.6120,  
53.7720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B478FC
RGB	180, 120, 252
RGB Percent	71%, 47%, 99%
CMY	0.2939, 0.5295, 0.0119
CMYK	0.29, 0.52, 0.00, 0.01
HSL	267°, 96%, 73%
HSV	267°, 52%, 99%
XYZ	43.1147, 30.1633, 95.6180
YIQ	152.9880, -6.6120, 53.7720

# Conversions

## Conversions Part 2

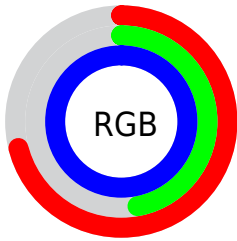
Format	Color
R <sub>Y</sub> B	180, 120, 252
Decimal	11827452
CIE Lab	61.79, 48.86, -57.39
CIE LCh	62, 75.372, 310.405
Yxy	30.1633, 0.2553, 0.1786
Android (android.graphics.Color)	4290017532 (0xFFB478FC)
YUV	152.9880, 48.8129, 23.6895
Hunter-Lab	54.9212, 44.0157, -64.7793

# Details

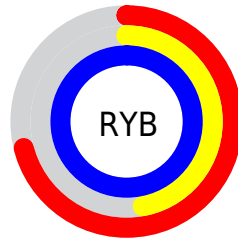
The YIQ color  $152.9880, -6.6120, 53.7720$  is a light color, and the websafe version is hex  $9966FF$ . A complement of this color would be  $219.0120, 6.6120, -53.7720$ , and the grayscale version is  $153.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $202.6690, 12.7390, 38.9710$ , and  $99.5100, -8.2620, 50.6340$  is the 20% darker color. If you saturate the color by 10%, you get  $134.1270, -8.0810, 63.8790$ , and if you desaturate by 10%, it is  $171.8490, -5.1430, 43.6650$ .

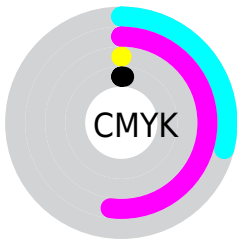
# Distribution



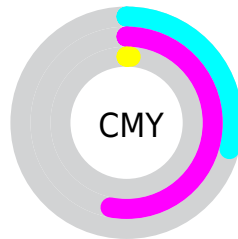
- Red (71%)
- Green (47%)
- Blue (99%)



- Red (71%)
- Yellow (47%)
- Blue (99%)



- Cyan (29%)
- Magenta (52%)
- Yellow (0%)
- Black (1%)



- Cyan (29%)
- Magenta (53%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 152.9880, -6.6120, 53.7720 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 152.9880, -6.6120, 53.7720 by changing the saturation by 10% instead.



152.9880, -6.6120,  
53.7720

152.9880, -6.6120,  
53.7720

255.0000, -0.0000,  
-0.0000

125.7490, -7.4370,  
52.2030

202.6690, 12.7390,  
38.9710

99.5100, -8.2620,  
50.6340

223.8890, 14.5750,  
27.7190

73.2710, -9.0870,  
49.0650

240.3250, 6.8750,  
13.0750

45.3850, -9.4080,  
49.3760

23.7600, -15.1380,  
43.0860

10.0320, -28.2480,  
27.3680

7.2960, -20.5440,

19.9040

■ 6.4350, -13.9860,  
11.1820

■ 2.7530, -6.3740,  
5.3860

■ 152.9880, -6.6120,  
53.7720

■ 152.9880, -6.6120,  
53.7720

■ 134.1270, -8.0810,  
63.8790

■ 171.8490, -5.1430,  
43.6650

■ 115.5650, -8.9540,  
74.1980

■ 190.7100, -3.6740,  
33.5580

■ 96.1170, -10.1480,  
84.8280

■ 209.8590, -3.0760,  
22.7160

■ 77.2560, -11.6170,  
94.9350

■ 228.7200, -1.6070,  
12.6090

■ 63.1130, -12.3520,  
102.7520

■ 247.5810, -0.1380,  
2.5020

254.6580, 0.9630,  
-0.9330

# Harmonies

## Analogous

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



117.1200, -123.1050, 0.8550



152.9880, -6.6120, 53.7720



146.6680, 59.1790, 67.3950

# Triad

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



152.9880, -6.6120, 53.7720



140.2960, 91.7940, -22.6220



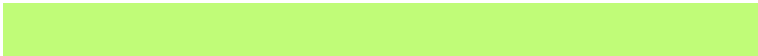
124.6810, -104.4370, -40.1250

# Complementary

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



152.9880, -6.6120, 53.7720



219.0120, 6.6120, -53.7720

# 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.



115.5270, -81.4170, -60.8490



152.9880, -6.6120, 53.7720



137.6400, 51.8180, -47.0460

# Square

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



152.9880, -6.6120, 53.7720



140.8820, 103.5690, 22.8090



127.2550, -7.5540, -61.3620



130.6890, -124.1100, -19.4860



# Rectangle

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



152.9880, -6.6120, 53.7720



136.8970, 83.1590, 62.3190



127.2550, -7.5540, -61.3620



121.9450, -96.7330, -47.5890

# Sweetspot

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



152.9880, -6.6120, 53.7720



224.3550, -1.8370, 16.7790



177.8990, -62.4470, 2.8730



109.1390, -1.4690, 10.1070



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.



152.9880, -6.6120, 53.7720



134.1810, -8.1730, 65.5470



172.4230, 32.1280, 67.5520



115.2760, -0.5970, 5.3150



47.2600, -9.4130, 77.0110



15.3260, -2.8930, 24.9070



# Inverse Universe

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



167.6760, 55.5600, 50.3760



152.1710, 67.7080, 61.5000



199.5770, -32.1280, -67.5520



116.6850, 5.5010, 4.9330



68.2530, 79.5810, 72.1010

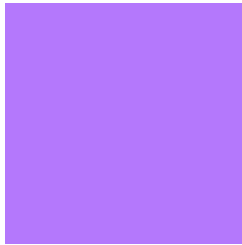


22.0010, 25.7630, 23.1950



# Previews

## White Background



This preview shows how the YIQ color 152.9880, -6.6120, 53.7720 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

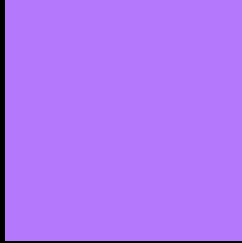
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 152.9880, -6.6120, 53.7720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

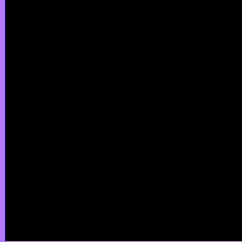
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 152.9880, -6.6120, 53.7720**

## **Background**



This preview shows how black text looks on a background with the YIQ color 152.9880, -6.6120, 53.7720.



This preview shows how white text looks on a background with the YIQ color 152.9880, -6.6120,



# 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

152.9880, -6.6120, 53.7720

### Protanopia

144.9710, -61.8090, 24.3590

### Deuteranopia

142.4060, -67.7680, 16.7120



## Tritanopia

150.6360, 7.1970, 7.2370

# Trichromacy



## Original Color

152.9880, -6.6120, 53.7720



## Protanomaly

148.2450, -41.7290, 34.9030



## Deuteranomaly

146.0440, -45.7170, 30.0830



## Tritanomaly

151.4360, 2.6090, 24.3130

# Monochromacy



## Original Color

152.9880, -6.6120, 53.7720



## Achromatopsia

153.0000, 0.0000, -0.0000



## Achromatomaly

153.0500, -2.2960, 19.5920

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 152.9880, -6.6120, 53.7720 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(180, 120, 252)` looks like.

```
.text, #text, p{  
    color:rgb(180, 120, 252)  
}
```

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(180, 120, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 120, 252) }
```

## Border

The CSS property to change the border of an element to YIQ 152.9880, -6.6120, 53.7720 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(180, 120, 252) }
```



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

```
.border{ border-color:rgb(180, 120, 252) }
```

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

Here you see how a box with a 4 pixel rgb(180, 120, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 120, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 120, 252);  
box-shadow:4px 4px 4px 4px rgb(180, 120,  
252) }
```

# Background

The CSS property to change the background color of an element to YIQ 152.9880, -6.6120, 53.7720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 120, 252) }
```

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

```
.background{ background-color: rgb(180,  
120, 252) }
```

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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