

Converting Colors

YIQ(156.8820, -0.7420, 46.5060)

Have a look what the booklet for
YIQ(156.8820, -0.7420, 46.5060)
contains.

YIQ(156.8820, -0.7420, 46.5060)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(156.8820, -0.7420,
46.5060)**

Conversions

Conversions Part 1

Format	Color
Hex	B97FED
RGB	185, 127, 237
RGB Percent	73%, 50%, 93%
CMY	0.2743, 0.5020, 0.0707
CMYK	0.22, 0.46, 0.00, 0.07
HSL	272°, 75%, 71%
HSV	272°, 46%, 93%
XYZ	42.8893, 31.6065, 83.9437
YIQ	156.8820, -0.7420, 46.5060

Conversions

Conversions Part 2

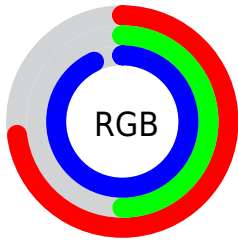
Format	Color
R_{YB}	185, 127, 237
Decimal	12156909
CIE _{Lab}	63.02, 42.92, -47.15
CIE _{LCh}	63, 63.762, 312.309
Yxy	31.6065, 0.2707, 0.1995
Android (android.graphics.Color)	4290346989 (0xFFB97FED)
YUV	156.8820, 39.4982, 24.6595
Hunter-Lab	56.2196, 37.7913, -49.1744

Details

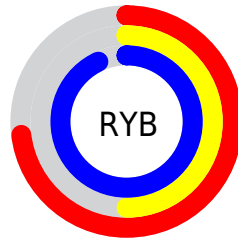
The YIQ color $156.8820, -0.7420, 46.5060$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $207.1180, 0.7420, -46.5060$, and the grayscale version is $156.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $207.9740, 13.1980, 36.1580$, and $103.8170, -2.1170, 43.8910$ is the 20% darker color. If you saturate the color by 10%, you get $139.5050, -0.6980, 56.7260$, and if you desaturate by 10%, it is $174.2590, -0.7860, 36.2860$.

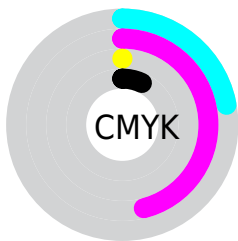
Distribution



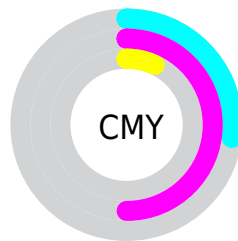
- Red (73%)
- Green (50%)
- Blue (93%)



- Red (73%)
- Yellow (50%)
- Blue (93%)



- Cyan (22%)
- Magenta (46%)
- Yellow (0%)
- Black (7%)





- Cyan (27%)
- Magenta (50%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 156.8820, -0.7420, 46.5060 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 156.8820, -0.7420, 46.5060 by changing the saturation by 10% instead.


 156.8820, -0.7420,
46.5060


 156.8820, -0.7420,
46.5060


255.0000, -0.0000,
-0.0000


 129.9420, -0.9710,
45.1490


 207.9740, 13.1980,
36.1580


 103.8170, -2.1170,
43.8910


 227.9980, 12.6500,
24.0580

 77.8770, -2.3460,
42.5340

 245.0210, 4.6750,
8.8910

 52.4640, -2.6210,
42.0110

 26.1650, -3.2170,
41.7990

 15.3560, -11.6050,
28.6110

 6.0420, -17.0130,

16.4830

■ 4.7080, -10.5010,
8.5950

■ 0.2280, -0.6420,
0.6220

■ 156.8820, -0.7420,
46.5060

■ 156.8820, -0.7420,
46.5060

■ 139.5050, -0.6980,
56.7260

■ 174.2590, -0.7860,
36.2860

■ 122.7150, -0.9290,
66.4230

■ 191.0490, -0.5550,
26.5890

■ 105.0390, -1.4810,
76.4310

■ 208.7250, -0.0030,
16.5810

■ 87.6620, -1.4370,
86.6510

■ 226.1020, -0.0470,
6.3610

70.2850, -1.3930,
96.8710

242.8920, 0.1840,
-3.3360

64.3930, -1.5770,
100.2070

252.0510, 3.9900,
-6.2340

252.9480, 5.7780,
-5.5980

Harmonies

Analogous

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



141.3280, -76.2960, 17.0800



156.8820, -0.7420, 46.5060



153.6420, 52.9000, 54.5320

Triad

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



156.8820, -0.7420, 46.5060



146.9000, 75.6540, -16.4580



125.0230, -105.4000, -39.1920

Complementary

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



156.8820, -0.7420, 46.5060



207.1180, 0.7420, -46.5060

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.



117.1230, -85.9110, -56.4950



156.8820, -0.7420, 46.5060



142.3220, 44.2060, -41.2500

Square

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



156.8820, -0.7420, 46.5060



148.4670, 88.4400, 16.1520



135.5620, -9.4360, -49.2760



129.8910, -121.8630, -21.6630

Rectangle

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



156.8820, -0.7420, 46.5060



149.6860, 75.9630, 49.5550



135.5620, -9.4360, -49.2760



122.7430, -98.9800, -45.4120

Sweetspot

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



156.8820, -0.7420, 46.5060



228.7850, -0.2320, 15.2240



170.6510, -49.8850, 6.4910



111.7970, -0.5060, 9.1740



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.



156.8820, -0.7420, 46.5060



151.0260, -0.6070, 60.5850



172.2020, 30.8920, 56.9080



109.0480, 0.0450, 4.6930



49.3380, -0.8850, 76.6430



14.5280, -0.6460, 22.7300

Inverse Universe

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



165.8180, 48.8680, 39.4920



162.5090, 63.4000, 51.4640



191.7980, -30.8920, -56.9080



109.8590, 4.9510, 3.8870



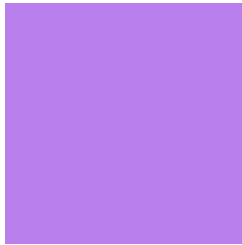
63.8090, 80.5910, 64.8070



18.9960, 24.1590, 19.2230

Previews

White Background



This preview shows how the YIQ color 156.8820, -0.7420, 46.5060 looks on a white background.

Color Contrast Check

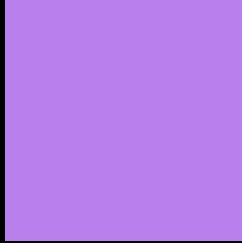
Large Text (above 18pt) WCAG AA × Fail

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 156.8820, -0.7420, 46.5060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

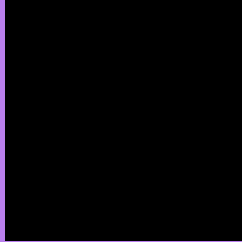
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 156.8820, -0.7420, 46.5060

Background



This preview shows how black text looks on a background with the YIQ color 156.8820, -0.7420, 46.5060.



This preview shows how white text looks on a background with the YIQ color 156.8820, -0.7420,

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

156.8820, -0.7420, 46.5060

Protanopia

149.1240, -57.8660, 24.4860

Deuteranopia

149.7580, -48.3280, 16.8240



Tritanopia

154.1420, 11.6440, 9.2440

Trichromacy



Original Color

156.8820, -0.7420, 46.5060

Protanomaly

152.0020, -36.7310, 32.4290

Deuteranomaly

152.4770, -30.9990, 27.6650

Tritanomaly

154.8340, 7.2400, 22.9840

Monochromacy



Original Color

156.8820, -0.7420, 46.5060

Achromatopsia

157.0000, 0.0000, -0.0000

Achromatomaly

156.8390, -0.3240, 16.8920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 156.8820, -0.7420, 46.5060 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(185, 127, 237)` looks like.

```
.text, #text, p{  
    color:rgb(185, 127, 237)  
}
```

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(185, 127, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 127, 237) }
```

Border

The CSS property to change the border of an element to YIQ 156.8820, -0.7420, 46.5060 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(185, 127, 237) }
```


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

```
.border{ border-color:rgb(185, 127, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 127, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 127, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 127, 237);  
box-shadow:4px 4px 4px 4px rgb(185, 127,  
237) }
```

Background

The CSS property to change the background color of an element to YIQ 156.8820, -0.7420, 46.5060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 127, 237) }
```

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

```
.background{ background-color: rgb(185,  
127, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor