

Converting Colors

YIQ(115.1860, 11.7670, 89.6470)

Have a look what the booklet for
YIQ(115.1860, 11.7670, 89.6470)
contains.

YIQ(115.1860, 11.7670, 89.6470)	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(115.1860, 11.7670,
89.6470)**

Conversions

Conversions Part 1

Format	Color
Hex	B636FF
RGB	182, 54, 255
RGB Percent	71%, 21%, 100%
CMY	0.2858, 0.7884, 0.0001
CMYK	0.29, 0.79, 0.00, 0.00
HSL	278°, 100%, 61%
HSV	278°, 79%, 100%
XYZ	38.6795, 19.8100, 96.3694
YIQ	115.1860, 11.7670, 89.6470

Conversions

Conversions Part 2

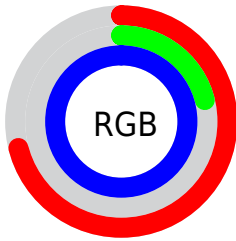
Format	Color
R _Y B	182, 54, 255
Decimal	11941631
CIE Lab	51.62, 79.05, -75.44
CIE LCh	52, 109.269, 316.341
Yxy	19.8100, 0.2498, 0.1279
Android (android.graphics.Color)	4290131711 (0xFFB636FF)
YUV	115.1860, 68.9283, 58.5959
Hunter-Lab	44.5084, 77.2334, -97.2184

Details

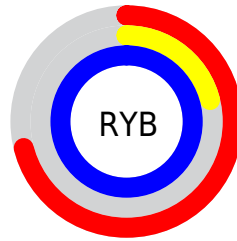
The YIQ color **115.1860, 11.7670, 89.6470** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **193.8140, -11.7670, -89.6470**, and the grayscale version is **115.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **169.2320, 31.3480, 70.6760**, and **58.9360, 9.4750, 87.1310** is the 20% darker color. If you saturate the color by 10%, you get **97.2330, 13.5530, 101.3370**, and if you desaturate by 10%, it is **132.5520, 10.2560, 78.4800**.

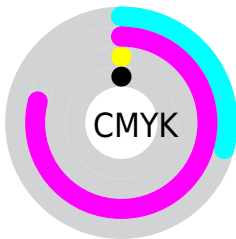
Distribution



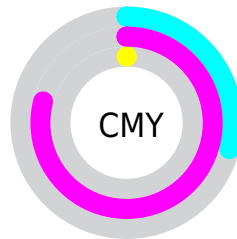
- Red (71%)
- Green (21%)
- Blue (100%)



- Red (71%)
- Yellow (21%)
- Blue (100%)



- Cyan (29%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (79%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 115.1860, 11.7670, 89.6470 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 115.1860, 11.7670, 89.6470 by changing the saturation by 10% instead.

■ 115.1860, 11.7670,
89.6470

■ 115.1860, 11.7670,
89.6470

■ 255.0000, -0.0000,
-0.0000

■ 74.1470, 16.6710,
99.8950

■ 169.2320, 31.3480,
70.6760

■ 58.9360, 9.4750,
87.1310

■ 189.8430, 30.5250,
58.0530

■ 46.7740, 0.5830,
72.0630

■ 206.8660, 22.5500,
42.8860

■ 33.8290, -10.4180,
56.6700

■ 224.4760, 14.3000,
27.1960

■ 19.9870, -23.2070,
40.6410

■ 241.4990, 6.3250,
12.0290

■ 10.1460, -28.5690,
27.6790

■ 11.5190, -22.7900,

16.5540

■ 6.5490, -14.3070,
11.4930

■ 2.8670, -6.6950,
5.6970

■ 115.1860, 11.7670,
89.6470

■ 115.1860, 11.7670,
89.6470

■ 97.2330, 13.5530,
101.3370

■ 132.5520, 10.2560,
78.4800

■ 79.8670, 15.0640,
112.5040

■ 150.8040, 9.0660,
67.0020

■ 77.8070, 15.2930,
113.8610

■ 168.1700, 7.5550,
55.8350

■ 186.1230, 5.7690,
44.1450

■ 203.4890, 4.2580,
32.9780

■ 221.7410, 3.0680,
21.5000

■ 239.1070, 1.5570,
10.3330

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.



99.5100, -114.8550, 16.5450



115.1860, 11.7670, 89.6470



95.6250, 97.4100, 106.9300

Triad

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



115.1860, 11.7670, 89.6470



115.7760, 81.9350, -14.6490



112.5820, -99.3040, -28.5200

Complementary

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



115.1860, 11.7670, 89.6470



193.8140, -11.7670, -89.6470

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.



99.5350, -66.7000, -57.7400



115.1860, 11.7670, 89.6470



109.7430, 23.6670, -48.9810

Square

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



115.1860, 11.7670, 89.6470



86.1690, 139.9700, 40.4340



87.4630, -40.9750, -77.9270



121.8160, -125.3050, -3.3290

Rectangle

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



115.1860, 11.7670, 89.6470



88.5570, 117.3120, 87.6480



87.4630, -40.9750, -77.9270



108.3470, -88.7570, -37.9490

Sweetspot

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



115.1860, 11.7670, 89.6470



212.6150, 3.6630, 27.2390



120.3520, -84.8710, 23.8090



102.0950, 1.8310, 16.3830



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.



115.1860, 11.7670, 89.6470



86.6340, 14.1020, 107.9100



133.9350, 63.9420, 96.7260



118.8740, 0.5950, 5.7390



58.2520, 11.4010, 85.2650



19.5550, 3.8920, 28.5960

Inverse Universe

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



122.4210, 96.3630, 65.3150



95.3900, 115.9840, 78.6720



175.0650, -63.9420, -96.7260



119.3430, 6.4640, 4.0000



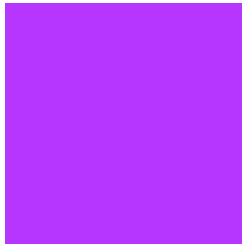
64.9750, 91.6870, 61.9510



21.7580, 30.7610, 20.7210

Previews

White Background



This preview shows how the YIQ color 115.1860, 11.7670, 89.6470 looks on a white background.

Color Contrast Check

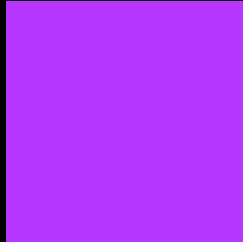
Large Text (above 18pt) WCAG AA ✓ Pass

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 115.1860, 11.7670, 89.6470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

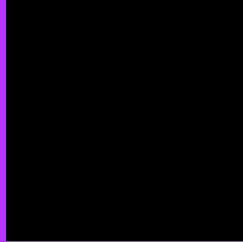
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 115.1860, 11.7670, 89.6470

Background



This preview shows how black text looks on a background with the YIQ color 115.1860, 11.7670, 89.6470.



This preview shows how white text looks on a background with the YIQ color 115.1860, 11.7670,

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

115.1860, 11.7670, 89.6470

Protanopia

98.4670, -113.2960, 15.8240

Deuteranopia

98.9280, -104.9490, 2.2110



Tritanopia

124.8620, 27.2320, 13.0880

Trichromacy



Original Color

115.1860, 11.7670, 89.6470



Protanomaly

104.2270, -67.6810, 42.6790



Deuteranomaly

104.8820, -62.6360, 33.8440



Tritanomaly

121.2140, 21.4500, 40.7940

Monochromacy



Original Color

115.1860, 11.7670, 89.6470



Achromatopsia

115.0000, -0.0000, 0.0000



Achromatomaly

115.0760, 3.9830, 32.4550

CSS Examples

Text

The CSS property to change the color of the text to YIQ 115.1860, 11.7670, 89.6470 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(182, 54, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 54, 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(182, 54, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 54, 255) }
```

Border

The CSS property to change the border of an element to YIQ 115.1860, 11.7670, 89.6470 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(182, 54, 255) }
```


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

```
.border{ border-color:rgb(182, 54, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 54, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 54, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 54, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 54,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 115.1860, 11.7670, 89.6470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 54, 255) }
```

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

```
.background{ background-color: rgb(182, 54,  
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](#).

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