

Converting Colors

YIQ(84.7840, 11.8180, 61.1780)

Have a look what the booklet for
YIQ(84.7840, 11.8180, 61.1780)
contains.

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Color

**YIQ(84.7840, 11.8180,
61.1780)**

Conversions

Conversions Part 1

Format	Color
Hex	862AB0
RGB	134, 42, 176
RGB Percent	53%, 16%, 69%
CMY	0.4742, 0.8354, 0.3099
CMYK	0.24, 0.76, 0.00, 0.31
HSL	281°, 61%, 43%
HSV	281°, 76%, 69%
XYZ	18.5055, 9.8619, 41.9950
YIQ	84.7840, 11.8180, 61.1780

Conversions

Conversions Part 2

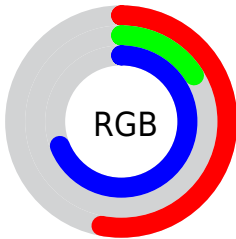
Format	Color
RYB	134, 42, 176
Decimal	8792752
CIELab	37.59, 58.79, -53.18
CIELCh	38, 79.273, 317.868
Yxy	9.8619, 0.2630, 0.1402
Android (android.graphics.Color)	4286982832 (0xFF862AB0)
YUV	84.7840, 44.9695, 43.1624
Hunter-Lab	31.4037, 50.2295, -57.3038

Details

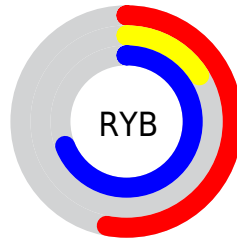
The YIQ color **84.7840, 11.8180, 61.1780** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **133.2160, -11.8180, -61.1780**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.4960, 12.6890, 61.9130**, and **37.5290, 7.9220, 54.6900** is the 20% darker color. If you saturate the color by 10%, you get **72.7230, 13.7880, 69.5320**, and if you desaturate by 10%, it is **97.1440, 10.4440, 53.0360**.

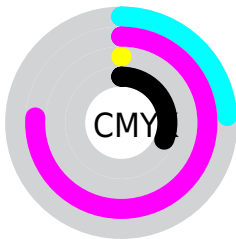
Distribution



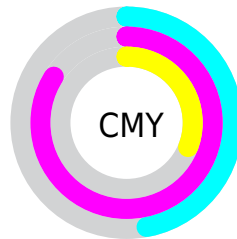
- Red (53%)
- Green (16%)
- Blue (69%)



- Red (53%)
- Yellow (16%)
- Blue (69%)



- Cyan (24%)
- Magenta (76%)
- Yellow (0%)
- Black (31%)



- Cyan (47%)
- Magenta (84%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 84.7840, 11.8180, 61.1780 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 84.7840, 11.8180, 61.1780 by changing the saturation by 10% instead.

84.7840, 11.8180,
61.1780

84.7840, 11.8180,
61.1780

255.0000, -0.0000,
-0.0000

50.4410, 14.5220,
67.2420

140.4960, 12.6890,
61.9130

37.5290, 7.9220,
54.6900

167.6380, 15.1650,
61.0930

26.3070, -0.7410,
40.9790

193.0440, 25.3450,
52.8090

15.3840, -8.8080,
27.4800

210.9750, 20.6250,
39.2250

5.5860, -15.7290,
15.2390

227.4110, 12.9250,
24.5810

3.6650, -8.9420,
7.8740

244.4340, 4.9500,

0.0000, 0.0000,

9.4140

0.0000

■ 84.7840, 11.8180,
61.1780

■ 84.7840, 11.8180,
61.1780

■ 72.7230, 13.7880,
69.5320

■ 97.1440, 10.4440,
53.0360

■ 60.9500, 14.8870,
77.1510

■ 108.6180, 8.7490,
45.2050

■ 56.2430, 15.6200,
80.3880

■ 120.9780, 7.3750,
37.0630

■ 132.4520, 5.6800,
29.2320

■ 144.8120, 4.3060,
21.0900

■ 156.8730, 2.3360,
12.7360

■ 168.6460, 1.2370,
5.1170

■ 180.7070, -0.7330,
-3.2370

■ 192.4800, -1.8320,
-10.8560

Harmonies

Analogous

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



73.5900, -91.4730, 22.3110



84.7840, 11.8180, 61.1780



68.6530, 72.7030, 75.6070

Triad

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



84.7840, 11.8180, 61.1780



83.4820, 56.5800, -12.1880



80.6950, -71.5210, -19.9130

Complementary

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



84.7840, 11.8180, 61.1780



133.2160, -11.8180, -61.1780

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.



72.4700, -49.7390, -40.2270



84.7840, 11.8180, 61.1780



78.7660, 16.8330, -35.2550

Square

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



84.7840, 11.8180, 61.1780



71.3860, 93.1620, 18.6820



62.8090, -29.4250, -55.9610



86.7200, -89.8640, -1.3520

Rectangle

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



84.7840, 11.8180, 61.1780



66.5560, 91.5490, 64.4530



62.8090, -29.4250, -55.9610



78.1870, -64.4590, -26.7550

Sweetspot

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



84.7840, 11.8180, 61.1780



193.8060, 4.4430, 24.1150



81.9300, -54.5640, 19.7080



93.2260, 2.8400, 14.6160



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7840, 11.8180, 61.1780



87.5830, 18.1390, 95.3150



94.4920, 44.8750, 62.3070



82.8200, 0.6870, 4.0710



48.8370, 13.4670, 69.8430



8.3460, 2.3820, 11.9020

Inverse Universe

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



86.8540, 66.3820, 41.4700



90.9010, 103.6990, 64.5230



123.5080, -44.8750, -62.3070



83.0330, 4.4010, 2.8410



51.2190, 75.7800, 47.3640



8.6860, 12.9280, 8.0000

Previews

White Background



This preview shows how the YIQ color 84.7840, 11.8180, 61.1780 looks on a white background.

Color Contrast Check

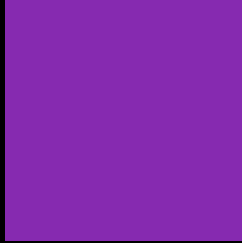
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the YIQ color 84.7840, 11.8180, 61.1780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

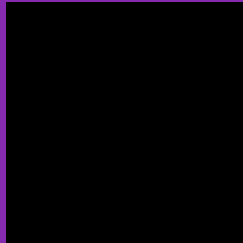
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 84.7840, 11.8180, 61.1780

Background



This preview shows how black text looks on a background with the YIQ color 84.7840, 11.8180, 61.1780.



This preview shows how white text looks on a background with the YIQ color 84.7840, 11.8180,

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

84.7840, 11.8180, 61.1780

Protanopia

71.2300, -82.0720, 11.6240

Deuteranopia

71.6570, -76.3850, 2.1670



Tritanopia

90.2420, 23.1060, 10.7700

Trichromacy



Original Color

84.7840, 11.8180, 61.1780

Protanomaly

76.2610, -47.8260, 29.7580

Deuteranomaly

76.4260, -44.1570, 23.8350

Tritanomaly

87.9820, 18.7470, 29.2030

Monochromacy



Original Color

84.7840, 11.8180, 61.1780

Achromatopsia

85.0000, -0.0000, 0.0000

Achromatomaly

84.7520, 4.5350, 22.4470

CSS Examples

Text

The CSS property to change the color of the text to YIQ 84.7840, 11.8180, 61.1780 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(134, 42, 176)` looks like.

```
.text, #text, p{  
    color:rgb(134, 42, 176)  
}
```

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(134, 42, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 42, 176) }
```

Border

The CSS property to change the border of an element to YIQ 84.7840, 11.8180, 61.1780 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(134, 42, 176) }
```


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

```
.border{ border-color:rgb(134, 42, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 42, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 42, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 42, 176);  
box-shadow:4px 4px 4px 4px rgb(134, 42,  
176) }
```

Background

The CSS property to change the background color of an element to YIQ 84.7840, 11.8180, 61.1780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 42, 176) }
```

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

```
.background{ background-color: rgb(134, 42,  
176) }
```

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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