

Converting Colors

YIQ(86.9790, -18.4470, 86.5530)

Have a look what the booklet for
YIQ(86.9790, -18.4470, 86.5530)
contains.

YIQ(86.9790, -18.4470, 86.5530)	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(86.9790, -18.4470,
86.5530)**

Conversions

Conversions Part 1

Format	Color
Hex	7B24FF
RGB	123, 36, 255
RGB Percent	48%, 14%, 100%
CMY	0.5173, 0.8590, 0.0002
CMYK	0.52, 0.86, 0.00, 0.00
HSL	264°, 100%, 57%
HSV	264°, 86%, 100%
XYZ	26.8507, 12.6930, 95.5903
YIQ	86.9790, -18.4470, 86.5530

Conversions

Conversions Part 2

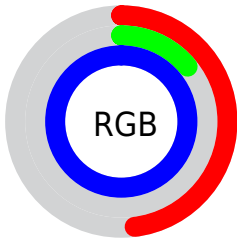
Format	Color
R _Y B	123, 36, 255
Decimal	8070399
CIE Lab	42.30, 76.80, -90.99
CIE LCh	42, 119.070, 310.164
Yxy	12.6930, 0.1987, 0.0939
Android (android.graphics.Color)	4286260479 (0xFF7B24FF)
YUV	86.9790, 82.8344, 31.5904
Hunter-Lab	35.6272, 72.1802, -134.1400

Details

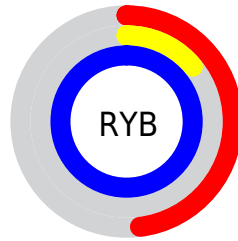
The YIQ color **86.9790, -18.4470, 86.5530** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **204.0210, 18.4470, -86.5530**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.3350, 3.1970, 68.7410**, and **37.1090, -34.0330, 71.6550** is the 20% darker color. If you saturate the color by 10%, you get **67.2320, -20.2370, 96.9710**, and if you desaturate by 10%, it is **106.1390, -16.3820, 76.6580**.

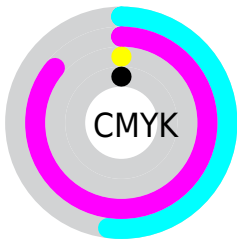
Distribution



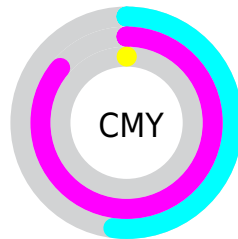
- Red (48%)
- Green (14%)
- Blue (100%)



- Red (48%)
- Yellow (14%)
- Blue (100%)



- Cyan (52%)
- Magenta (86%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (86%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 86.9790, -18.4470, 86.5530 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 86.9790, -18.4470, 86.5530 by changing the saturation by 10% instead.


 86.9790, -18.4470,
86.5530


 86.9790, -18.4470,
86.5530


255.0000, -0.0000,
-0.0000


 52.2610, -19.1810,
88.8430


 141.3350, 3.1970,
68.7410


 37.1090, -34.0330,
71.6550


 167.6270, 13.6980,
60.1460


 19.1520, -53.9280,
52.2480


 193.6310, 25.0700,
52.2860

 16.0740, -45.2610,
43.8510

 211.5620, 20.3500,
38.7020

 12.9960, -36.5940,
35.4540

 228.5850, 12.3750,
23.5350

 17.0760, -31.5480,
21.0920

 246.1950, 4.1250,

 11.4050, -22.4690,

7.8450

16.2430

■ 6.4350, -13.9860,
11.1820

■ 2.7530, -6.3740,
5.3860

■ 86.9790, -18.4470,
86.5530

■ 86.9790, -18.4470,
86.5530

■ 67.2320, -20.2370,
96.9710

■ 106.1390,
-16.3820, 76.6580

■ 59.2690, -21.6590,
100.7170

■ 126.1850,
-13.9960, 66.4520

■ 145.3450,
-11.9310, 56.5570

■ 165.0920,
-10.1410, 46.1390

■ 184.5510, -7.4800,
36.4560

■ 204.2980, -5.6900,
26.0380

■ 223.7570, -3.0290,
16.3550

■ 243.5040, -1.2390,
5.9370

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.



91.8790, -111.2800, 23.3440



86.9790, -18.4470, 86.5530



88.3350, 83.4270, 101.5310

Triad

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



86.9790, -18.4470, 86.5530



90.4690, 84.9580, 2.1580



92.6460, -78.9930, -27.6730

Complementary

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



86.9790, -18.4470, 86.5530



204.0210, 18.4470, -86.5530

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.



77.8890, -41.5740, -61.5580



86.9790, -18.4470, 86.5530



90.0180, 24.8110, -36.6690

Square

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



86.9790, -18.4470, 86.5530



68.7700, 137.0800, 48.7600



72.2010, -33.8250, -64.3290



104.6500, -110.0380, 0.8260

Rectangle

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



86.9790, -18.4470, 86.5530



87.9160, 117.6790, 86.5030



72.2010, -33.8250, -64.3290



88.0690, -67.4830, -38.0350

Sweetspot

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



86.9790, -18.4470, 86.5530



204.2980, -5.6900, 26.0380



140.2110, -107.4240, -2.4960



97.3440, -3.3040, 15.8320



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.



86.9790, -18.4470, 86.5530



59.2690, -21.6590, 100.7170



118.6730, 44.7290, 109.0250



117.9770, -1.1930, 5.1030



44.4980, -16.0150, 75.5130



14.7710, -5.6440, 25.2040

Inverse Universe

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



116.5290, 88.1520, 87.4800



93.8010, 102.5460, 101.9540



172.3270, -44.7290, -109.0250



119.6850, 5.5010, 4.9330



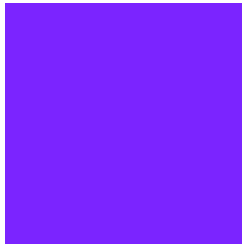
70.2190, 76.9210, 76.2570



23.4680, 25.9460, 25.3860

Previews

White Background



This preview shows how the YIQ color 86.9790, -18.4470, 86.5530 looks on a white background.

Color Contrast Check

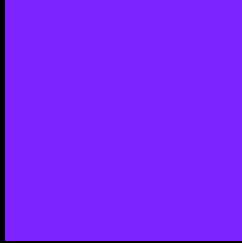
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 86.9790, -18.4470, 86.5530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

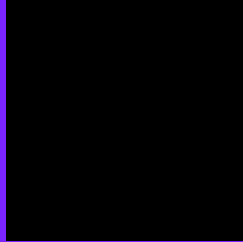
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 86.9790, -18.4470, 86.5530

Background



This preview shows how black text looks on a background with the YIQ color 86.9790, -18.4470, 86.5530.



This preview shows how white text looks on a background with the YIQ color 86.9790, -18.4470,

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

86.9790, -18.4470, 86.5530

Protanopia

79.3800, -91.2420, 12.6140

Deuteranopia

79.5960, -83.5830, 0.4570



Tritanopia

97.1490, -16.5970, -2.0770

Trichromacy



Original Color

86.9790, -18.4470, 86.5530



Protanomaly

82.0870, -64.4710, 39.5690



Deuteranomaly

82.3830, -59.7930, 31.8790



Tritanomaly

93.7730, -17.1530, 30.0390

Monochromacy



Original Color

86.9790, -18.4470, 86.5530



Achromatopsia

87.0000, -0.0000, -0.0000



Achromatomaly

86.6880, -6.6080, 31.6640

CSS Examples

Text

The CSS property to change the color of the text to YIQ 86.9790, -18.4470, 86.5530 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(123, 36, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 36, 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(123, 36, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 36, 255) }
```

Border

The CSS property to change the border of an element to YIQ 86.9790, -18.4470, 86.5530 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(123, 36, 255) }
```


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

```
.border{ border-color:rgb(123, 36, 255) }
```

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

Here you see how a box with a 4 pixel rgb(123, 36, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 36, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 36, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 36,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 86.9790, -18.4470, 86.5530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 36, 255) }
```

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

```
.background{ background-color: rgb(123, 36,  
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