

Converting Colors

YIQ(111.8620, -23.2120,
68.2760)

Have a look what the booklet for
YIQ(111.8620, -23.2120, 68.2760)
contains.

| | |
|--|----|
| YIQ(111.8620, -23.2120, 68.2760) | 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(111.8620, -23.2120,
68.2760)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 844AFE |
| RGB | 132, 74, 254 |
| RGB Percent | 52%, 29%, 100% |
| CMY | 0.4821, 0.7099, 0.0042 |
| CMYK | 0.48, 0.71, 0.00, 0.00 |
| HSL | 259°, 99%, 64% |
| HSV | 259°, 71%, 100% |
| XYZ | 29.8528, 16.9570, 95.4160 |
| YIQ | 111.8620, -23.2120, 68.2760 |

Conversions

Conversions Part 2

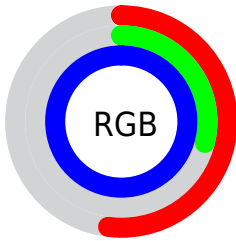
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 132, 74, 254 |
| Decimal | 8669950 |
| CIE _{Lab} | 48.21, 63.13, -80.69 |
| CIE _{LCh} | 48, 102.448, 308.037 |
| Yxy | 16.9570, 0.2099, 0.1192 |
| Android (android.graphics.Color) | 4286860030 (0xFF844AFE) |
| YUV | 111.8620, 70.0740, 17.6610 |
| Hunter-Lab | 41.1789, 57.3412, -108.5561 |

Details

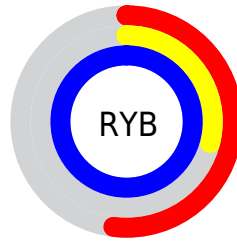
The YIQ color **111.8620, -23.2120, 68.2760** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **216.1380, 23.2120, -68.2760**, and the grayscale version is **111.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **161.3260, -1.7520, 53.8000**, and **52.0570, -28.2550, 66.0570** is the 20% darker color. If you saturate the color by 10%, you get **92.1040, -26.4690, 77.7470**, and if you desaturate by 10%, it is **131.6200, -19.9550, 58.8050**.

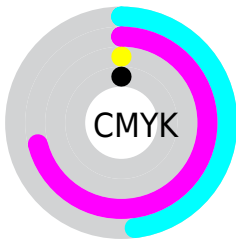
Distribution



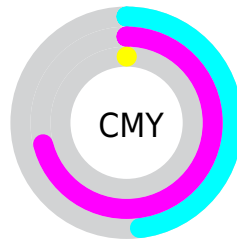
- Red (52%)
- Green (29%)
- Blue (100%)



- Red (52%)
- Yellow (29%)
- Blue (100%)



- Cyan (48%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 111.8620, -23.2120, 68.2760 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 111.8620, -23.2120, 68.2760 by changing the saturation by 10% instead.


 111.8620,
-23.2120, 68.2760


 111.8620,
-23.2120, 68.2760


 255.0000, -0.0000,
-0.0000


 83.4380, -24.9540,
66.8060


 161.3260, -1.7520,
53.8000


 51.4700, -27.9800,
66.5800


 186.4440, 9.2990,
46.2510


 24.2350, -43.7960,
55.8520


 212.1490, 20.0750,
38.1790

 15.9600, -44.9400,
43.5400

 229.1720, 12.1000,
23.0120

 12.9960, -36.5940,
35.4540

 246.1950, 4.1250,
7.8450

 11.7930, -29.0730,
25.7990

 11.4050, -22.4690,

16.2430

■ 6.4350, -13.9860,
11.1820

■ 2.7530, -6.3740,
5.3860

■ 111.8620,
-23.2120, 68.2760

■ 111.8620,
-23.2120, 68.2760

■ 92.1040, -26.4690,
77.7470

■ 131.6200,
-19.9550, 58.8050

■ 71.7590, -29.4510,
87.7410

■ 151.9650,
-16.9730, 48.8110

■ 53.4740, -32.6620,
96.3780

■ 172.0220,
-13.1200, 39.5520

■ 192.3670,
-10.1380, 29.5580

■ 212.1250, -6.8810,
20.0870

■ 231.8830, -3.6240,
10.6160

■ 252.2280, -0.6420,
0.6220

■ 254.8860, 0.3210,
-0.3110

Harmonies

Analogous

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



100.0970, -115.1300, 16.0220



111.8620, -23.2120, 68.2760



89.1050, 78.3830, 104.8390

Triad

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



111.8620, -23.2120, 68.2760



105.8190, 89.5440, -3.8640



101.3200, -84.1270, -33.7510

Complementary

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



111.8620, -23.2120, 68.2760



216.1380, 23.2120, -68.2760

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.



88.6150, -52.4860, -62.0380



111.8620, -23.2120, 68.2760



105.4340, 38.1990, -37.0090

Square

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



111.8620, -23.2120, 68.2760



71.2760, 141.5270, 50.7670



79.8320, -37.4000, -71.1280



111.4830, -111.3660, -8.1500

Rectangle

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



111.8620, -23.2120, 68.2760



89.7830, 110.9840, 92.2000



79.8320, -37.4000, -71.1280



97.7860, -74.1760, -43.3920

Sweetspot

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



111.8620, -23.2120, 68.2760



212.5380, -6.6060, 20.6100



166.7210, -91.6050, -8.3490



102.6380, -4.3120, 12.0720



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.



111.8620, -23.2120, 68.2760



83.6680, -27.9370, 82.3270



138.4730, 29.8320, 87.1440



117.6780, -1.7890, 4.8910



40.3120, -24.3590, 72.5450



13.5750, -8.0280, 24.3560

Inverse Universe

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



141.7280, 68.1180, 76.1020



119.6410, 82.1450, 91.7210



189.5270, -29.8320, -87.1440



119.7990, 5.1800, 5.2440



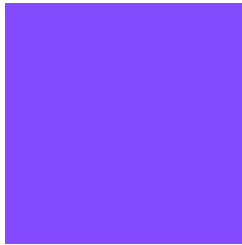
71.9290, 72.1060, 80.9220



24.0380, 24.3410, 26.9410

Previews

White Background



This preview shows how the YIQ color 111.8620, -23.2120, 68.2760 looks on a white background.

Color Contrast Check

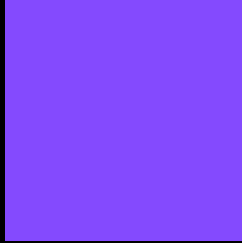
Large Text (above 18pt) WCAG AA ✓ Pass

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 111.8620, -23.2120, 68.2760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

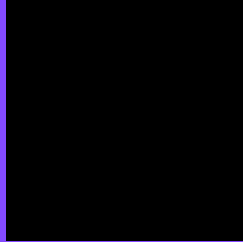
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 111.8620, -23.2120, 68.2760

Background



This preview shows how black text looks on a background with the YIQ color 111.8620, -23.2120, 68.2760.



This preview shows how white text looks on a background with the YIQ color 111.8620, -23.2120, 68.2760.

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

111.8620, -23.2120, 68.2760

Protanopia

91.0180, -104.7220, 14.6220

Deuteranopia

91.4790, -96.3750, 1.0090



Tritanopia

112.0460, -14.8090, -1.4410

Trichromacy



Original Color

111.8620, -23.2120, 68.2760

Protanomaly

98.6510, -75.1070, 34.0850

Deuteranomaly

98.7190, -69.7870, 25.7730

Tritanomaly

111.8990, -17.7480, 24.3000

Monochromacy



Original Color

111.8620, -23.2120, 68.2760

Achromatopsia

112.0000, -0.0000, 0.0000

Achromatomaly

111.8030, -8.6700, 24.9780

CSS Examples

Text

The CSS property to change the color of the text to YIQ 111.8620, -23.2120, 68.2760 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(132, 74, 254)` looks like.

```
.text, #text, p{  
    color:rgb(132, 74, 254)  
}
```

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(132, 74, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 74, 254) }
```

Border

The CSS property to change the border of an element to YIQ 111.8620, -23.2120, 68.2760 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(132, 74, 254) }
```


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

```
.border{ border-color:rgb(132, 74, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 74, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 74, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 74, 254);  
box-shadow:4px 4px 4px 4px rgb(132, 74,  
254) }
```

Background

The CSS property to change the background color of an element to YIQ 111.8620, -23.2120, 68.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 74, 254) }
```

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

```
.background{ background-color: rgb(132, 74,  
254) }
```

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