

Converting Colors

YIQ(131.8120, -20.9160,
48.6840)

Have a look what the booklet for
YIQ(131.8120, -20.9160, 48.6840)
contains.

YIQ(131.8120, -20.9160, 48.6840)	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(131.8120, -20.9160,
48.6840)**

Conversions

Conversions Part 1

Format	Color
Hex	8E6AEE
RGB	142, 106, 238
RGB Percent	56%, 42%, 93%
CMY	0.4430, 0.5844, 0.0668
CMYK	0.40, 0.55, 0.00, 0.07
HSL	256°, 79%, 67%
HSV	256°, 55%, 93%
XYZ	31.7409, 22.2299, 83.4704
YIQ	131.8120, -20.9160, 48.6840

Conversions

Conversions Part 2

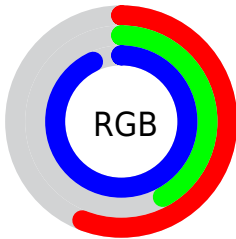
Format	Color
RYB	142, 106, 238
Decimal	9333486
CIELab	54.27, 44.01, -61.89
CIELCh	54, 75.939, 305.415
Yxy	22.2299, 0.2309, 0.1617
Android (android.graphics.Color)	4287523566 (0xFF8E6AEE)
YUV	131.8120, 52.3507, 8.9349
Hunter-Lab	47.1486, 37.6579, -71.9613

Details

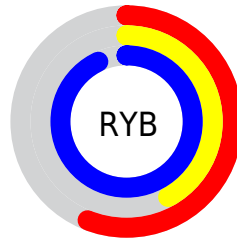
The YIQ color $131.8120, -20.9160, 48.6840$ is a light color, and the websafe version is hex $9966FF$. A complement of this color would be $212.1880, 20.9160, -48.6840$, and the grayscale version is $131.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $181.6160, -6.1050, 39.0710$, and $79.2090, -23.7120, 44.2880$ is the 20% darker color. If you saturate the color by 10%, you get $112.6410, -24.4480, 57.6320$, and if you desaturate by 10%, it is $150.9830, -17.3840, 39.7360$.

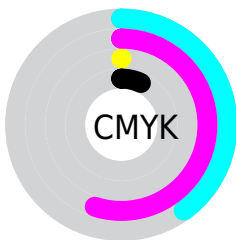
Distribution



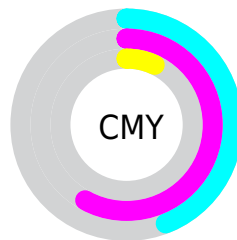
- Red (56%)
- Green (42%)
- Blue (93%)



- Red (56%)
- Yellow (42%)
- Blue (93%)



- Cyan (40%)
- Magenta (55%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (58%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 131.8120, -20.9160, 48.6840 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 131.8120, -20.9160, 48.6840 by changing the saturation by 10% instead.

■ 131.8120,
-20.9160, 48.6840

■ 131.8120,
-20.9160, 48.6840

■ 255.0000, -0.0000,
-0.0000

■ 105.1600,
-22.0160, 46.5920

■ 181.6160, -6.1050,
39.0710

■ 79.2090, -23.7120,
44.2880

■ 207.0220, 4.0750,
30.7870

■ 52.7740, -26.9210,
41.8710

■ 230.9330, 11.2750,
21.4430

■ 22.4520, -37.8780,
36.6980

■ 247.3690, 3.5750,
6.7990

■ 11.5140, -32.4210,
31.4110

■ 8.6640, -24.3960,
23.6360

■ 8.8630, -18.0670,

13.5570

■ 4.5940, -10.1800,
8.2840

■ 0.1140, -0.3210,
0.3110

■ 131.8120,
-20.9160, 48.6840

■ 131.8120,
-20.9160, 48.6840

■ 112.6410,
-24.4480, 57.6320

■ 150.9830,
-17.3840, 39.7360

■ 93.1710, -28.5760,
66.3680

■ 170.4530,
-13.2560, 31.0000

■ 74.5870, -32.3830,
74.7930

■ 189.0370, -9.4490,
22.5750

■ 55.4160, -35.9150,
83.7410

■ 208.2080, -5.9170,
13.6270

■ 46.5670, -37.6580,
87.7980

■ 227.6780, -1.7890,
4.8910

■ 246.8490, 1.7430,
-4.0570

■ 253.0620, 5.4570,
-5.2870

Harmonies

Analogous

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



108.3150, -118.9800, 8.7000



131.8120, -20.9160, 48.6840



125.7040, 50.3300, 68.0740

Triad

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



131.8120, -20.9160, 48.6840



121.1360, 89.7290, -12.7270



108.7060, -88.3900, -39.0940

Complementary

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



131.8120, -20.9160, 48.6840



212.1880, 20.9160, -48.6840

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.



99.0790, -65.4160, -58.9840



131.8120, -20.9160, 48.6840



120.5510, 50.9910, -37.5610

Square

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



131.8120, -20.9160, 48.6840



117.5540, 101.9170, 30.7250



109.0130, 4.8710, -60.7690



115.5290, -108.9800, -18.3560

Rectangle

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



131.8120, -20.9160, 48.6840



115.0530, 83.0200, 70.3480



109.0130, 4.8710, -60.7690



105.4970, -80.7320, -45.7240

Sweetspot

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



131.8120, -20.9160, 48.6840



220.1910, -7.2470, 15.7050



177.9870, -69.0470, -9.6790



107.0570, -4.1740, 9.5700



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.



131.8120, -20.9160, 48.6840



117.5470, -26.8790, 63.1450



151.2470, 17.8240, 62.4640



110.2650, -2.0640, 4.3680



35.9260, -29.2640, 67.8240



10.8690, -9.0360, 20.5960

Inverse Universe

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



156.4120, 47.8560, 57.8400



149.2650, 62.1120, 74.8160



192.7530, -17.8240, -62.4640



112.6140, 4.2630, 5.3430



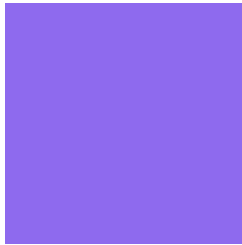
70.1780, 66.9710, 80.3710



21.4180, 20.2150, 24.6230

Previews

White Background



This preview shows how the YIQ color 131.8120, -20.9160, 48.6840 looks on a white background.

Color Contrast Check

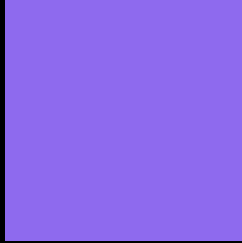
Large Text (above 18pt) WCAG AA ✓ Pass

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 131.8120, -20.9160, 48.6840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

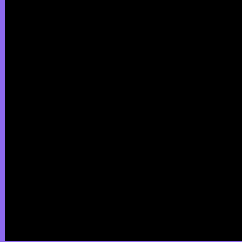
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 131.8120, -20.9160, 48.6840

Background



This preview shows how black text looks on a background with the YIQ color 131.8120, -20.9160, 48.6840.



This preview shows how white text looks on a background with the YIQ color 131.8120, -20.9160,

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

131.8120, -20.9160, 48.6840

Protanopia

116.7970, -87.6220, 24.1060

Deuteranopia

111.7060, -95.2760, 8.6280



Tritanopia

128.9650, -10.0870, 1.0890

Trichromacy



Original Color

131.8120, -20.9160, 48.6840

Protanomaly

122.1700, -63.5070, 33.1090

Deuteranomaly

119.2090, -68.4110, 22.8610

Tritanomaly

130.0640, -14.0790, 18.3770

Monochromacy



Original Color

131.8120, -20.9160, 48.6840

Achromatopsia

132.0000, -0.0000, -0.0000

Achromatomaly

132.3590, -7.6600, 17.6840

CSS Examples

Text

The CSS property to change the color of the text to YIQ 131.8120, -20.9160, 48.6840 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(142, 106, 238)` looks like.

```
.text, #text, p{  
    color:rgb(142, 106, 238)  
}
```

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(142, 106, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 106, 238) }
```

Border

The CSS property to change the border of an element to YIQ 131.8120, -20.9160, 48.6840 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(142, 106, 238) }
```


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

```
.border{ border-color:rgb(142, 106, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 106, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 106, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 106, 238);  
box-shadow:4px 4px 4px 4px rgb(142, 106,  
238) }
```

Background

The CSS property to change the background color of an element to YIQ 131.8120, -20.9160, 48.6840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 106, 238) }
```

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

```
.background{ background-color: rgb(142,  
106, 238) }
```

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