

Converting Colors

YIQ(151.8130, -13.4890,
51.7510)

Have a look what the booklet for
YIQ(151.8130, -13.4890, 51.7510)
contains.

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Color

**YIQ(151.8130, -13.4890,
51.7510)**

Conversions

Conversions Part 1

Format	Color
Hex	AB7AFF
RGB	171, 122, 255
RGB Percent	67%, 48%, 100%
CMY	0.3292, 0.5216, 0.0002
CMYK	0.33, 0.52, 0.00, 0.00
HSL	262°, 100%, 74%
HSV	262°, 52%, 100%
XYZ	41.8063, 29.7952, 98.1217
YIQ	151.8130, -13.4890, 51.7510

Conversions

Conversions Part 2

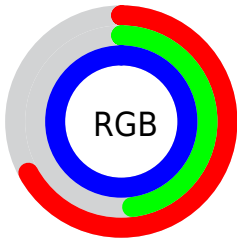
Format	Color
RYB	171, 122, 255
Decimal	11238143
CIELab	61.48, 46.30, -59.60
CIElCh	61, 75.470, 307.841
Yxy	29.7952, 0.2463, 0.1756
Android (android.graphics.Color)	4289428223 (0xFFAB7AFF)
YUV	151.8130, 50.8712, 16.8270
Hunter-Lab	54.5849, 41.1884, -68.3700

Details

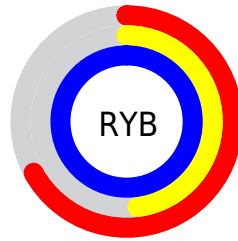
The YIQ color **151.8130, -13.4890, 51.7510** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **225.1870, 13.4890, -51.7510**, and the grayscale version is **151.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **201.1520, 6.8250, 36.0170**, and **98.2210, -14.8180, 48.3020** is the 20% darker color. If you saturate the color by 10%, you get **131.7670, -15.8750, 61.9570**, and if you desaturate by 10%, it is **171.2720, -10.8280, 42.0680**.

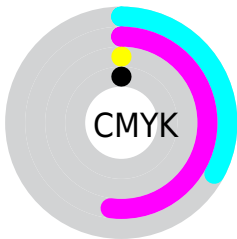
Distribution



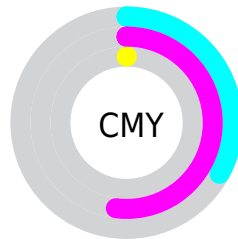
- Red (67%)
- Green (48%)
- Blue (100%)



- Red (67%)
- Yellow (48%)
- Blue (100%)



- Cyan (33%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 151.8130, -13.4890, 51.7510 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 151.8130, -13.4890, 51.7510 by changing the saturation by 10% instead.

151.8130,
-13.4890, 51.7510

151.8130,
-13.4890, 51.7510

255.0000, -0.0000,
-0.0000

124.5740,
-14.3140, 50.1820

201.1520, 6.8250,
36.0170

98.2210, -14.8180,
48.3020

224.4760, 14.3000,
27.1960

72.3840, -16.8350,
46.3090

241.4990, 6.3250,
12.0290

45.9600, -18.5770,
44.8390

18.9050, -25.9120,
40.1040

10.3740, -29.2110,
28.3010

7.5240, -21.1860,

20.5260

■ 6.6630, -14.6280,
11.8040

■ 2.9810, -7.0160,
6.0080

■ 151.8130,
-13.4890, 51.7510

■ 151.8130,
-13.4890, 51.7510

■ 131.7670,
-15.8750, 61.9570

■ 171.2720,
-10.8280, 42.0680

■ 112.3080,
-18.5360, 71.6400

■ 191.3180, -8.4420,
31.8620

■ 92.2620, -20.9220,
81.8460

■ 210.7770, -5.7810,
22.1790

■ 72.8030, -23.5830,
91.5290

■ 230.8230, -3.3950,
11.9730

■ 57.1760, -25.8310,
99.2330

■ 250.2820, -0.7340,
2.2900

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.



117.7070, -123.3800, 0.3320



151.8130, -13.4890, 51.7510



146.5150, 55.2360, 67.2680

Triad

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



151.8130, -13.4890, 51.7510



138.8450, 94.6820, -19.8940



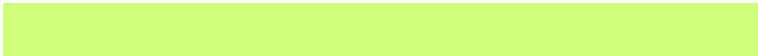
123.2960, -101.9150, -41.7790

Complementary

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



151.8130, -13.4890, 51.7510



225.1870, 13.4890, -51.7510

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.



113.5550, -78.6200, -61.9800



151.8130, -13.4890, 51.7510



137.0750, 55.0270, -44.6290

Square

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



151.8130, -13.4890, 51.7510



139.9900, 103.3850, 26.1450



127.0340, 0.3780, -61.9420



130.0050, -122.1840, -21.3520

Rectangle

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



151.8130, -13.4890, 51.7510



137.4670, 81.5540, 63.8740



127.0340, 0.3780, -61.9420



120.5600, -94.2110, -49.2430

Sweetspot

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



151.8130, -13.4890, 51.7510



223.1590, -4.2210, 15.9310



186.4700, -65.7930, -2.5690



108.5410, -2.6610, 9.6830



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.



151.8130, -13.4890, 51.7510



130.2940, -15.9210, 62.7910



171.5470, 25.8470, 65.7430



117.6780, -1.7890, 4.8910



43.0030, -18.9950, 74.4530



14.4720, -6.2400, 24.9920

Inverse Universe

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



171.3430, 52.3040, 54.3200



153.7670, 63.2140, 65.8540



205.4530, -25.8470, -65.7430



119.7990, 5.1800, 5.2440



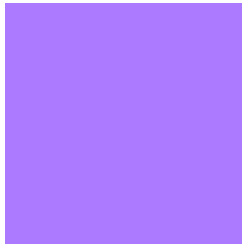
70.9030, 74.9950, 78.1230



23.6960, 25.3040, 26.0080

Previews

White Background



This preview shows how the YIQ color 151.8130, -13.4890, 51.7510 looks on a white background.

Color Contrast Check

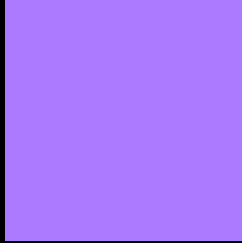
Large Text (above 18pt) WCAG AA ✓ Pass

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 151.8130, -13.4890, 51.7510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

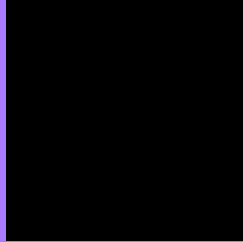
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 151.8130, -13.4890, 51.7510

Background



This preview shows how black text looks on a background with the YIQ color 151.8130, -13.4890, 51.7510.



This preview shows how white text looks on a background with the YIQ color 151.8130, -13.4890,

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

151.8130, -13.4890, 51.7510

Protanopia

143.7860, -62.7260, 24.4580

Deuteranopia

140.0570, -74.0950, 15.7370



Tritanopia

148.8630, -0.8720, 4.7920

Trichromacy



Original Color

151.8130, -13.4890, 51.7510

Protanomaly

146.8640, -45.0300, 34.1540

Deuteranomaly

144.2820, -52.3190, 28.5850

Tritanomaly

149.6630, -5.4600, 21.8680

Monochromacy



Original Color

151.8130, -13.4890, 51.7510

Achromatopsia

152.0000, -0.0000, -0.0000

Achromatomaly

151.8540, -4.6800, 18.7440

CSS Examples

Text

The CSS property to change the color of the text to YIQ 151.8130, -13.4890, 51.7510 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(171, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 122, 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(171, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 122, 255) }
```

Border

The CSS property to change the border of an element to YIQ 151.8130, -13.4890, 51.7510 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(171, 122, 255) }
```


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

```
.border{ border-color:rgb(171, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 122,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 151.8130, -13.4890, 51.7510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 122, 255) }
```

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

```
.background{ background-color: rgb(171,  
122, 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](#).

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