

Converting Colors

YIQ(231.8630, 15.1820,
-32.8660)

Have a look what the booklet for
YIQ(231.8630, 15.1820, -32.8660)
contains.

YIQ(231.8630, 15.1820, -32.8660)	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(231.8630, 15.1820,
-32.8660)**

Conversions

Conversions Part 1

Format	Color
Hex	E2F99F
RGB	226, 249, 159
RGB Percent	89%, 98%, 62%
CMY	0.1138, 0.0235, 0.3763
CMYK	0.09, 0.00, 0.36, 0.02
HSL	75°, 88%, 80%
HSV	75°, 36%, 98%
XYZ	71.4947, 86.4257, 45.7296
YIQ	231.8630, 15.1820, -32.8660

Conversions

Conversions Part 2

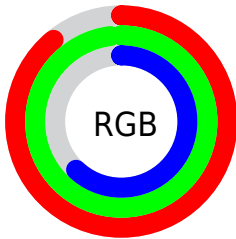
Format	Color
RYB	159, 249, 182
Decimal	14875039
CIELab	94.49, -21.54, 40.73
CIELCh	94, 46.077, 117.875
Yxy	86.4257, 0.3511, 0.4244
Android (android.graphics.Color)	4293065119 (0xFFE2F99F)
YUV	231.8630, -35.9215, -5.1419
Hunter-Lab	92.9654, -25.4149, 35.9111

Details

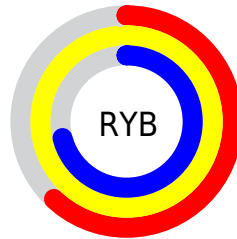
The YIQ color **231.8630, 15.1820, -32.8660** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **176.1370, -15.1820, 32.8660**, and the grayscale version is **232.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **250.4400, 12.8400, -12.4400**, and **176.2050, 14.2190, -31.9330** is the 20% darker color. If you saturate the color by 10%, you get **227.2190, 19.6310, -41.9130**, and if you desaturate by 10%, it is **236.5070, 10.7330, -23.8190**.

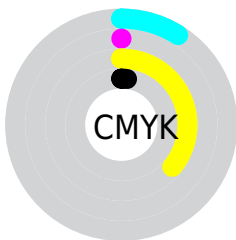
Distribution



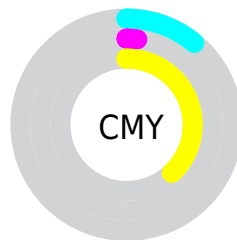
- Red (89%)
- Green (98%)
- Blue (62%)



- Red (62%)
- Yellow (98%)
- Blue (71%)



- Cyan (9%)
- Magenta (0%)
- Yellow (36%)
- Black (2%)



- Cyan (11%)
- Magenta (2%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 231.8630, 15.1820, -32.8660 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 231.8630, 15.1820, -32.8660 by changing the saturation by 10% instead.

231.8630, 15.1820,
-32.8660

231.8630, 15.1820,
-32.8660

255.0000, -0.0000,
-0.0000

203.0910, 14.5400,
-32.2440

250.4400, 12.8400,
-12.4400

176.2050, 14.2190,
-31.9330

253.6320, 3.8520,
-3.7320

148.5470, 13.2560,
-31.0000

122.6610, 12.9350,
-30.6890

96.7750, 12.6140,
-30.3780

71.9060, 13.6230,
-32.1450

50.4140, 6.5610,

-25.3030

■ 29.7260, -2.8850,
-19.3090

■ 14.0880, -6.6000,
-12.5520

■ 231.8630, 15.1820,
-32.8660

■ 231.8630, 15.1820,
-32.8660

■ 227.2190, 19.6310,
-41.9130

■ 236.5070, 10.7330,
-23.8190

■ 222.2760, 23.4840,
-51.1720

■ 241.4500, 6.8800,
-14.5600

■ 217.6320, 27.9330,
-60.2190

■ 246.0940, 2.4310,
-5.5130

■ 212.6890, 31.7860,
-69.4780

■ 250.2820, -0.7340,
2.2900

■ 208.1590, 35.9140,
-78.2140

■ 251.4780, 1.6500,
3.1380

■ 203.5150, 40.3630,
-87.2610

■ 201.4780, 41.7850,
-91.0070

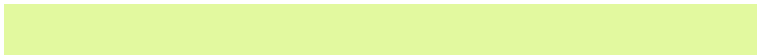
Harmonies

Analogous

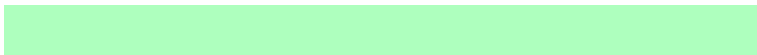
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



231.2900, 39.2050, -22.1950



231.8630, 15.1820, -32.8660



223.3710, -27.4110, -37.3870

Triad

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



231.8630, 15.1820, -32.8660



208.0570, -93.5720, -33.2840



224.3960, 17.2810, 22.7290

Complementary

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



231.8630, 15.1820, -32.8660



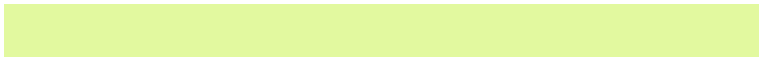
176.1370, -15.1820, 32.8660

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.



230.9330, 11.2750, 21.4430



231.8630, 15.1820, -32.8660



223.4270, -47.0390, -12.0550

Square

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



231.8630, 15.1820, -32.8660



199.3860, -110.8560, -39.4320



235.2530, -1.7900, 10.4180



221.1410, 30.5800, 7.4760

Rectangle

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



231.8630, 15.1820, -32.8660



215.3150, -59.3680, -36.4240



235.2530, -1.7900, 10.4180



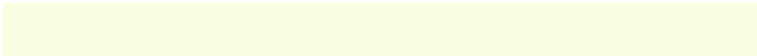
226.8240, 13.2000, 25.1040

Sweetspot

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



231.8630, 15.1820, -32.8660



249.7150, 4.8160, -10.1920



199.4110, 47.3150, 7.0510



124.5670, 2.4770, -6.3470



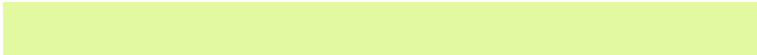
0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

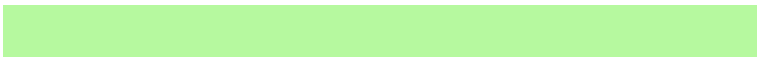
The Same Dimension uses a secret algorithm to generate beautiful new colors.



231.8630, 15.1820, -32.8660



234.0880, 18.6220, -40.1460



218.7070, -11.0420, -42.1940



122.6210, 2.3850, -4.6790



152.8030, 31.4650, -69.1670



49.5610, 10.6410, -22.1510

Inverse Universe

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



176.1370, -15.1820, 32.8660



165.9120, -18.6220, 40.1460



189.5920, 11.6380, 42.4060



114.6780, -1.7890, 4.8910



35.8980, -32.0610, 68.9550



11.7380, -10.0450, 22.3630

Previews

White Background



This preview shows how the YIQ color 231.8630, 15.1820, -32.8660 looks on a white background.

Color Contrast Check

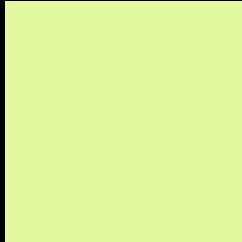
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 231.8630, 15.1820, -32.8660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

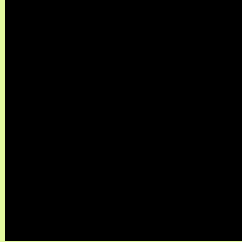
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 231.8630, 15.1820, -32.8660

Background



This preview shows how black text looks on a background with the YIQ color 231.8630, 15.1820, -32.8660.



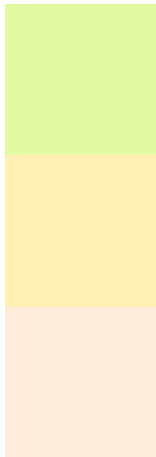
This preview shows how white text looks on a background with the YIQ color 231.8630, 15.1820,

-32.8660.

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

231.8630, 15.1820, -32.8660

Protanopia

236.9440, 28.7960, -15.2680

Deuteranopia

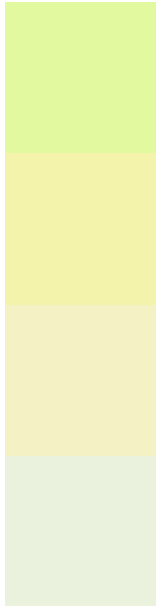
239.6290, 17.1020, -1.5700



Tritanopia

239.6500, -4.5860, 6.0220

Trichromacy



Original Color

231.8630, 15.1820, -32.8660

Protanomaly

235.2050, 23.3870, -21.8690

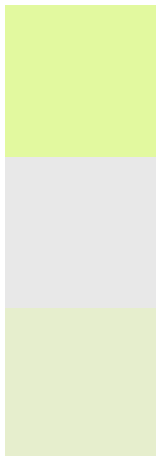
Deuteranomaly

236.8810, 15.9120, -13.0480

Tritanomaly

236.5130, 2.5690, -8.0150

Monochromacy



Original Color

231.8630, 15.1820, -32.8660

Achromatopsia

232.0000, -0.0000, 0.0000

Achromatomaly

231.8460, 5.8250, -11.9590

CSS Examples

Text

The CSS property to change the color of the text to YIQ 231.8630, 15.1820, -32.8660 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(226, 249, 159)` looks like.

```
.text, #text, p{  
    color:rgb(226, 249, 159)  
}
```

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(226, 249, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 249, 159) }
```

Border

The CSS property to change the border of an element to YIQ 231.8630, 15.1820, -32.8660 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(226, 249, 159) }
```


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

```
.border{ border-color:rgb(226, 249, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 249, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 249, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 249, 159);  
box-shadow:4px 4px 4px 4px rgb(226, 249,  
159) }
```

Background

The CSS property to change the background color of an element to YIQ 231.8630, 15.1820, -32.8660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 249, 159) }
```

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

```
.background{ background-color: rgb(226,  
249, 159) }
```

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