

Converting Colors

YIQ(212.8830, -66.6590,
-30.9390)

Have a look what the booklet for
YIQ(212.8830, -66.6590, -30.9390)
contains.

| | |
|--|----|
| YIQ(212.8830, -66.6590, -30.9390) | 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(212.8830, -66.6590,
-30.9390)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 82FBEA |
| RGB | 130, 251, 234 |
| RGB Percent | 51%, 98%, 92% |
| CMY | 0.4905, 0.0155, 0.0826 |
| CMYK | 0.48, 0.00, 0.07, 0.02 |
| HSL | 172°, 94%, 75% |
| HSV | 172°, 48%, 98% |
| XYZ | 58.5494, 79.7028, 90.0919 |
| YIQ | 212.8830, -66.6590, -30.9390 |

Conversions

Conversions Part 2

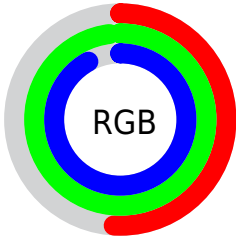
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 130, 195, 251 |
| Decimal | 8584170 |
| CIELab | 91.55, -38.15, -2.33 |
| CIELCh | 92, 38.221, 183.491 |
| Yxy | 79.7028, 0.2564, 0.3490 |
| Android (android.graphics.Color) | 4286774250 (0xFF82FBEA) |
| YUV | 212.8830, 10.4107, -72.6884 |
| Hunter-Lab | 89.2764, -39.1696, 2.6619 |

Details

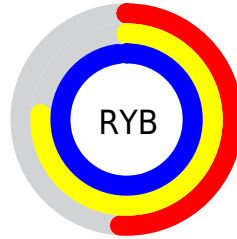
The YIQ color **212.8830, -66.6590, -30.9390** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **168.1170, 66.6590, 30.9390**, and the grayscale version is **213.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **235.5650, -38.7400, -13.7800**, and **154.2030, -70.5560, -31.9000** is the 20% darker color. If you saturate the color by 10%, you get **204.9520, -80.2750, -37.4830**, and if you desaturate by 10%, it is **220.7000, -52.7220, -24.7060**.

Distribution



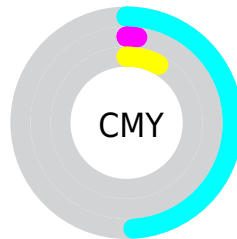
- Red (51%)
- Green (98%)
- Blue (92%)



- Red (51%)
- Yellow (76%)
- Blue (98%)



- Cyan (48%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)



- Cyan (49%)
- Magenta (2%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 212.8830, -66.6590, -30.9390 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 212.8830, -66.6590, -30.9390 by changing the saturation by 10% instead.

212.8830,
-66.6590, -30.9390

212.8830,
-66.6590, -30.9390

255.0000, -0.0000,
-0.0000

183.6980,
-67.5760, -30.8400

235.2660,
-39.3360, -13.9920

154.2030,
-70.5560, -31.9000

244.2360,
-21.4560, -7.6320

122.2450,
-79.5420, -34.2460

253.5050, -2.9800,
-1.0600

96.5440, -78.9460,
-34.0340

78.4320, -63.7710,
-28.2110

60.4340, -48.9170,
-22.0770

43.7240, -34.9340,

-16.6780

■ 28.4160, -22.1430,
-11.7030

■ 7.7110, -6.5560,
-2.3320

■ 212.8830,
-66.6590, -30.9390

■ 212.8830,
-66.6590, -30.9390

■ 204.9520,
-80.2750, -37.4830

■ 220.7000,
-52.7220, -24.7060

■ 197.1350,
-94.2120, -43.7160

■ 228.6310,
-39.1060, -18.1620

■ 189.2040,
-107.8280, -50.2600

■ 236.5620,
-25.4900, -11.6180

■ 181.3870,
-121.7650, -56.4930

■ 244.3790,
-11.5530, -5.3850

■ 173.1570,
-135.9770, -63.2490

■ 252.3100, 2.0630,
1.1590

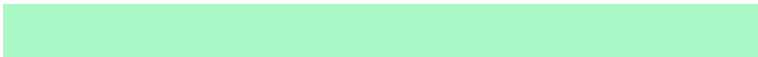
■ 171.9610,
-138.3610, -64.0970

■ 252.6520, 1.1000,
2.0920

Harmonies

Analogous

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



218.8640, -30.1170, -32.3970



212.8830, -66.6590, -30.9390



209.0090, -84.4490, -27.9130

Triad

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



212.8830, -66.6590, -30.9390



230.5680, 1.8770, 15.5490



222.5480, 39.0190, -7.8050

Complementary

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



212.8830, -66.6590, -30.9390



168.1170, 66.6590, 30.9390

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.



219.6420, 33.4230, 5.5110



212.8830, -66.6590, -30.9390



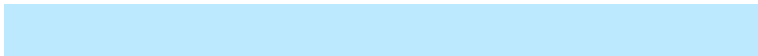
227.4110, 12.9250, 24.5810

Square

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



212.8830, -66.6590, -30.9390



222.3520, -33.2860, -2.4860



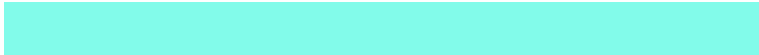
221.3980, 22.9670, 18.7990



228.2560, 36.5450, -18.0390

Rectangle

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



212.8830, -66.6590, -30.9390



210.5480, -75.6010, -23.0650



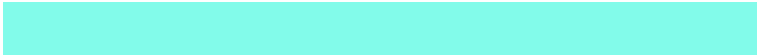
221.3980, 22.9670, 18.7990



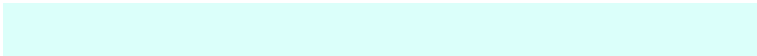
220.9980, 37.8720, -3.5360

Sweetspot

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



212.8830, -66.6590, -30.9390



243.6660, -19.8510, -9.1870



206.4090, -22.5470, -59.4670



120.9660, -11.8280, -5.9080



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

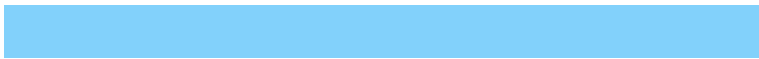
The Same Dimension uses a secret algorithm to generate beautiful new colors.



212.8830, -66.6590, -30.9390



208.3540, -81.4670, -37.9070



190.1670, -60.5660, -3.6860



120.8850, -7.1060, -3.3780



129.4110, -103.9770, -48.4650



41.8490, -33.7880, -15.4200

Inverse Universe

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



168.1170, 66.6590, 30.9390



153.6460, 81.4670, 37.9070



190.8330, 60.5660, 3.6860



116.1150, 7.1060, 3.3780



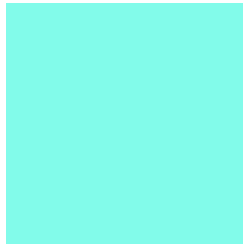
59.5890, 103.9770, 48.4650



19.2650, 33.4670, 15.7310

Previews

White Background



This preview shows how the YIQ color 212.8830, -66.6590, -30.9390 looks on a white background.

Color Contrast Check

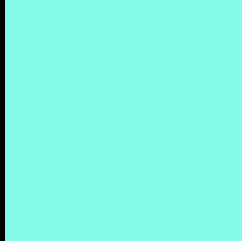
Large Text (above 18pt) WCAG AA × Fail

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 212.8830, -66.6590, -30.9390 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 212.8830, -66.6590, -30.9390 Background



This preview shows how black text looks on a background with the YIQ color 212.8830, -66.6590, -30.9390.



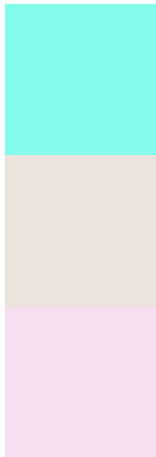
This preview shows how white text looks on a background with the YIQ color 212.8830, -66.6590, -30.9390.

-30.9390.

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

212.8830, -66.6590, -30.9390

Protanopia

229.2950, 6.4190, -0.6930

Deuteranopia

231.5270, 9.1220, 10.8980



Tritanopia

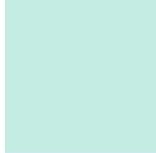
222.8620, -43.8300, -9.6380

Trichromacy



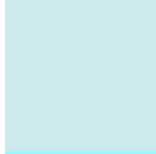
Original Color

212.8830, -66.6590, -30.9390



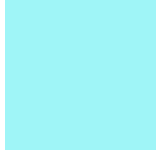
Protanomaly

223.1990, -20.0340, -11.3780



Deuteranomaly

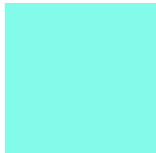
224.8990, -18.8890, -4.5930



Tritanomaly

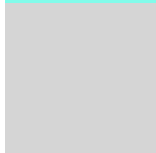
219.5140, -51.8980, -17.6100

Monochromacy



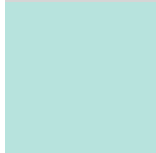
Original Color

212.8830, -66.6590, -30.9390



Achromatopsia

213.0000, -0.0000, 0.0000



Achromatomaly

213.1600, -24.2980, -11.1940

CSS Examples

Text

The CSS property to change the color of the text to YIQ 212.8830, -66.6590, -30.9390 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(130, 251, 234)` looks like.

```
.text, #text, p{  
    color:rgb(130, 251, 234)  
}
```

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(130, 251, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 251, 234) }
```

Border

The CSS property to change the border of an element to YIQ 212.8830, -66.6590, -30.9390 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(130, 251, 234) }
```


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

```
.border{ border-color:rgb(130, 251, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 251, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 251, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 251, 234);  
box-shadow:4px 4px 4px 4px rgb(130, 251,  
234) }
```

Background

The CSS property to change the background color of an element to YIQ 212.8830, -66.6590, -30.9390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 251, 234) }
```

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

```
.background{ background-color: rgb(130,  
251, 234) }
```

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