

Converting Colors

YIQ(229.9840, 31.3190,
-22.4490)

Have a look what the booklet for
YIQ(229.9840, 31.3190, -22.4490)
contains.

YIQ(229.9840, 31.3190, -22.4490)	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(229.9840, 31.3190,
-22.4490)**

Conversions

Conversions Part 1

Format	Color
Hex	F6EC9D
RGB	246, 236, 157
RGB Percent	96%, 93%, 62%
CMY	0.0353, 0.0745, 0.3841
CMYK	0.00, 0.04, 0.36, 0.04
HSL	53°, 83%, 79%
HSV	53°, 36%, 96%
XYZ	74.0878, 82.0160, 43.8453
YIQ	229.9840, 31.3190, -22.4490

Conversions

Conversions Part 2

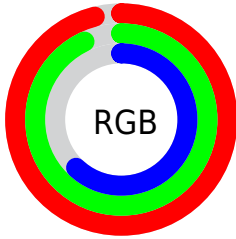
Format	Color
R _Y B	168, 246, 157
Decimal	16182429
CIE Lab	92.58, -7.87, 39.52
CIE LCh	93, 40.296, 101.260
Yxy	82.0160, 0.3705, 0.4102
Android (android.graphics.Color)	4294372509 (0xFFFF6EC9D)
YUV	229.9840, -35.9811, 14.0460
Hunter-Lab	90.5627, -12.4568, 34.6890

Details

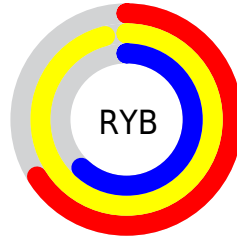
The YIQ color $229.9840, 31.3190, -22.4490$ is a light color, and the websafe version is hex $FFFF99$. A complement of this color would be $173.0160, -31.3190, 22.4490$, and the grayscale version is $230.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $250.0980, 13.8030, -13.3730$, and $173.8420, 28.8430, -21.6290$ is the 20% darker color. If you saturate the color by 10%, you get $225.3730, 40.1690, -28.6550$, and if you desaturate by 10%, it is $234.5950, 22.4690, -16.2430$.

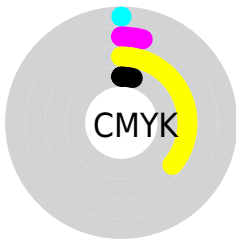
Distribution



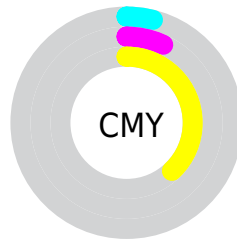
- Red (96%)
- Green (93%)
- Blue (62%)



- Red (66%)
- Yellow (96%)
- Blue (62%)



- Cyan (0%)
- Magenta (4%)
- Yellow (36%)
- Black (4%)



- Cyan (4%)
- Magenta (7%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 229.9840, 31.3190, -22.4490 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 229.9840, 31.3190, -22.4490 by changing the saturation by 10% instead.

229.9840, 31.3190,
-22.4490

229.9840, 31.3190,
-22.4490

255.0000, -0.0000,
-0.0000

201.7990, 30.4020,
-22.3500

250.0980, 13.8030,
-13.3730

173.8420, 28.8430,
-21.6290

253.4040, 4.4940,
-4.3540

147.5430, 28.2470,
-21.8410

121.1730, 26.4130,
-21.6430

95.9880, 25.4960,
-21.5440

70.9340, 25.5880,
-23.2120

49.9150, 18.5720,

-17.2040

■ 30.1130, 9.4470,
-11.5210

■ 8.8050, -4.1250,
-7.8450

■ 229.9840, 31.3190,
-22.4490

■ 229.9840, 31.3190,
-22.4490

■ 225.3730, 40.1690,
-28.6550

■ 234.5950, 22.4690,
-16.2430

■ 220.8760, 48.6980,
-34.5500

■ 239.0920, 13.9400,
-10.3480

■ 216.8520, 57.2730,
-41.2790

■ 243.1160, 5.3650,
-3.6190

■ 212.3550, 65.8020,
-47.1740

■ 247.6130, -3.1640,
2.2760

■ 207.7440, 74.6520,
-53.3800

■ 249.3740, -3.9890,
0.7070

■ 203.1330, 83.5020,
-59.5860

■ 251.1350, -4.8140,
-0.8620

■ 201.5200, 86.6660,
-61.8620

■ 252.3090, -5.3640,
-1.9080

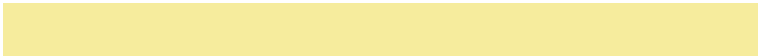
Harmonies

Analogous

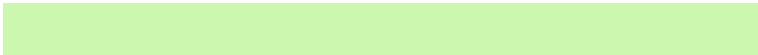
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



225.5000, 38.9740, -12.4980



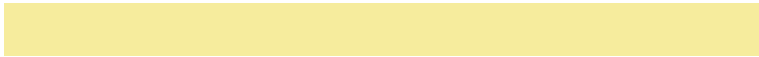
229.9840, 31.3190, -22.4490



225.5220, -2.7910, -32.0310

Triad

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



229.9840, 31.3190, -22.4490



208.6880, -87.9790, -30.0190



227.4110, 12.9250, 24.5810

Complementary

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



229.9840, 31.3190, -22.4490



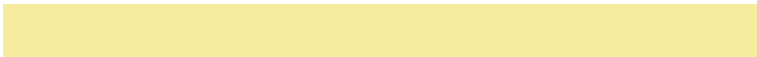
173.0160, -31.3190, 22.4490

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.



233.8680, 9.9000, 18.8280



229.9840, 31.3190, -22.4490



215.6530, -62.5350, -17.5670

Square

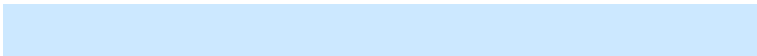
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



229.9840, 31.3190, -22.4490



212.5270, -80.2760, -31.9560



226.2500, -24.0710, 1.2170



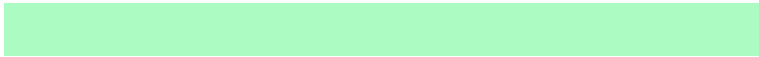
221.6600, 24.9850, 15.2650

Rectangle

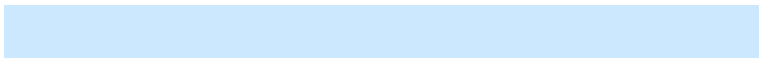
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



229.9840, 31.3190, -22.4490



220.9950, -29.1080, -34.1640



226.2500, -24.0710, 1.2170



229.1720, 12.1000, 23.0120

Sweetspot

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



229.9840, 31.3190, -22.4490



250.0470, 9.8130, -7.1390



184.7510, 49.8340, 21.9780



124.8880, 6.0070, -4.2410



0.0000, 0.0000, 0.0000



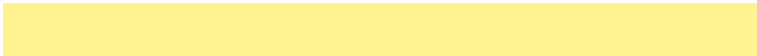
128.0000, -0.0000, -0.0000

Same Dimension

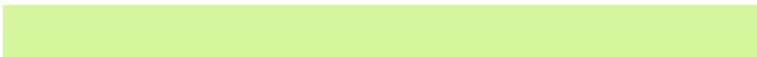
The Same Dimension uses a secret algorithm to generate beautiful new colors.



229.9840, 31.3190, -22.4490



235.4160, 38.6100, -27.9340



225.6880, 8.3050, -34.8870



120.0450, 4.1270, -3.2090



152.4690, 65.4810, -46.8630



48.1650, 20.8640, -14.6880

Inverse Universe

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



173.0160, -31.3190, 22.4490



165.1710, -38.8850, 27.4110



177.3120, -8.3050, 34.8870



112.5420, -4.4020, 2.6860



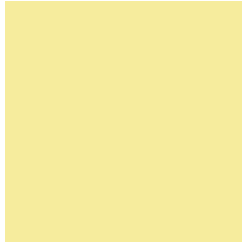
33.5310, -65.4810, 46.8630



10.8350, -20.8640, 14.6880

Previews

White Background



This preview shows how the YIQ color 229.9840, 31.3190, -22.4490 looks on a white background.

Color Contrast Check

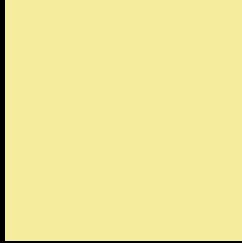
Large Text (above 18pt) WCAG AA × Fail

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 229.9840, 31.3190, -22.4490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

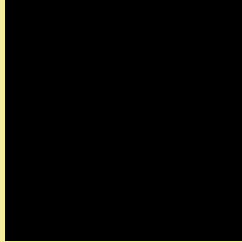
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 229.9840, 31.3190, -22.4490

Background



This preview shows how black text looks on a background with the YIQ color 229.9840, 31.3190, -22.4490.



This preview shows how white text looks on a background with the YIQ color 229.9840, 31.3190, -22.4490.

-22.4490.

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

229.9840, 31.3190, -22.4490

Protanopia

230.7890, 36.3620, -20.2300

Deuteranopia

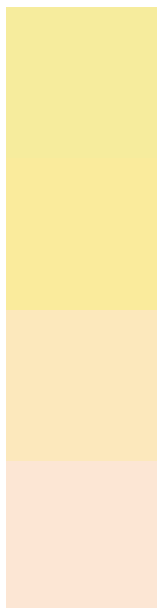
234.0380, 23.2000, -1.9520



Tritanopia

236.6090, 11.8270, 11.4350

Trichromacy



Original Color

229.9840, 31.3190, -22.4490

Protanomaly

230.4790, 34.2990, -21.3890

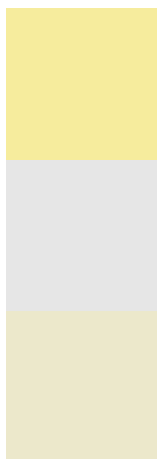
Deuteranomaly

232.9640, 26.0440, -9.4440

Tritanomaly

234.5260, 18.8900, -0.9340

Monochromacy



Original Color

229.9840, 31.3190, -22.4490

Achromatopsia

230.0000, -0.0000, 0.0000

Achromatomaly

229.8900, 11.6930, -8.1710

CSS Examples

Text

The CSS property to change the color of the text to YIQ 229.9840, 31.3190, -22.4490 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(246, 236, 157)` looks like.

```
.text, #text, p{  
    color:rgb(246, 236, 157)  
}
```

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(246, 236, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 236, 157) }
```

Border

The CSS property to change the border of an element to YIQ 229.9840, 31.3190, -22.4490 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(246, 236, 157) }
```


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

```
.border{ border-color:rgb(246, 236, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 236, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 236, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 236, 157); box-shadow:4px 4px 4px 4px rgb(246, 236, 157) }
```

Background

The CSS property to change the background color of an element to YIQ 229.9840, 31.3190, -22.4490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 236, 157) }
```

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

```
.background{ background-color: rgb(246,  
236, 157) }
```

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