

Converting Colors

YIQ(30.8300, -14.4410, -8.1130)

Have a look what the booklet for
YIQ(30.8300, -14.4410, -8.1130)
contains.

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Color

**YIQ(30.8300, -14.4410,
-8.1130)**

Conversions

Conversions Part 1

Format	Color
Hex	0C2821
RGB	12, 40, 33
RGB Percent	5%, 16%, 13%
CMY	0.9530, 0.8431, 0.8706
CMYK	0.70, 0.00, 0.18, 0.84
HSL	165°, 54%, 10%
HSV	165°, 70%, 16%
XYZ	1.1849, 1.7061, 1.7047
YIQ	30.8300, -14.4410, -8.1130

Conversions

Conversions Part 2

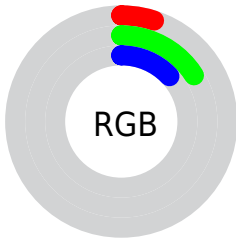
Format	Color
R_YB	12, 28, 40
Decimal	796705
CIE _{Lab}	13.86, -12.78, 1.45
CIE _{LCh}	14, 12.866, 173.512
Yxy	1.7061, 0.2578, 0.3712
Android (android.graphics.Color)	4278986785 (0xFF0C2821)
YUV	30.8300, 1.0698, -16.5139
Hunter-Lab	13.0619, -6.6662, 1.4053

Details

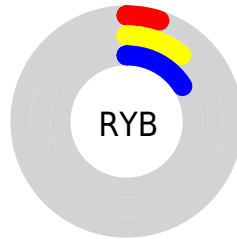
The YIQ color **30.8300, -14.4410, -8.1130** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **21.1700, 14.4410, 8.1130**, and the grayscale version is **31.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **75.7160, -14.1200, -8.4240**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **29.5200, -16.5040, -9.2720**, and if you desaturate by 10%, it is **32.1400, -12.3780, -6.9540**.

Distribution



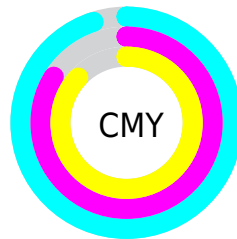
- Red (5%)
- Green (16%)
- Blue (13%)



- Red (5%)
- Yellow (11%)
- Blue (16%)



- Cyan (70%)
- Magenta (0%)
- Yellow (18%)
- Black (84%)



- Cyan (95%)
- Magenta (84%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 30.8300, -14.4410, -8.1130 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 30.8300, -14.4410, -8.1130 by changing the saturation by 10% instead.

■ 30.8300, -14.4410,
-8.1130

■ 30.8300, -14.4410,
-8.1130

■ 250.5150, -8.9400,
-3.1800

■ 13.4670, -8.9850,
-7.8730

■ 75.7160, -14.1200,
-8.4240

■ 0.0000, 0.0000,
0.0000

■ 100.0040,
-14.9910, -9.1590

■ 125.0040,
-14.9910, -9.1590

■ 150.7050,
-15.5870, -9.3710

■ 177.2920,
-15.8620, -9.8940

■ 205.2920,

-15.8620, -9.8940

■ 233.5800,
-16.7330, -10.6290

■ 30.8300, -14.4410,
-8.1130

■ 30.8300, -14.4410,
-8.1130

■ 29.5200, -16.5040,
-9.2720

■ 32.1400, -12.3780,
-6.9540

■ 28.2100, -18.5670,
-10.4310

■ 33.4500, -10.3150,
-5.7950

■ 26.9000, -20.6300,
-11.5900

■ 34.7600, -8.2520,
-4.6360

■ 36.0700, -6.1890,
-3.4770

■ 37.3800, -4.1260,
-2.3180

■ 38.6900, -2.0630,
-1.1590

■ 40.0000, 0.0000,
-0.0000

■ 41.3100, 2.0630,
1.1590

■ 42.6200, 4.1260,
2.3180

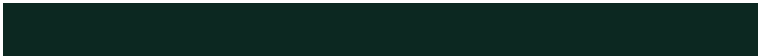
Harmonies

Analogous

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



32.8050, -4.1250, -7.8450



30.8300, -14.4410, -8.1130



29.1650, -22.6940, -7.2220

Triad

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



30.8300, -14.4410, -8.1130



36.0520, -5.7780, 5.5980



35.5410, 14.5340, 0.9180

Complementary

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



30.8300, -14.4410, -8.1130



21.1700, 14.4410, 8.1130

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.



36.1760, 14.3040, 5.0880



30.8300, -14.4410, -8.1130



36.8960, 3.5290, 7.6330

Square

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



30.8300, -14.4410, -8.1130



33.4420, -15.8640, 1.1600



36.6040, 10.2230, 7.4630



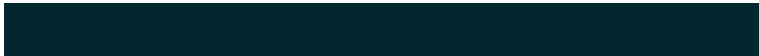
34.7530, 10.8210, -3.3790

Rectangle

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



30.8300, -14.4410, -8.1130



29.1480, -24.0240, -5.1440



36.6040, 10.2230, 7.4630



35.4810, 14.7630, 2.2750

Sweetspot

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



30.8300, -14.4410, -8.1130



47.3690, -5.5930, -3.2650



30.5290, -3.5280, -13.1600



23.6790, -3.5300, -2.1060



153.0000, 0.0000, -0.0000



26.0000, -0.0000, -0.0000

Same Dimension

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



30.8300, -14.4410, -8.1130



36.8890, -22.0970, -12.5370



27.5190, -14.7630, -2.2750



19.4020, -1.1920, -0.4240



56.4900, -43.3230, -24.3390



142.5700, -109.3390, -61.4270

Inverse Universe

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



21.1700, 14.4410, 8.1130



22.1110, 22.0970, 12.5370



24.4810, 14.7630, 2.2750



18.7120, 0.8710, 0.7350



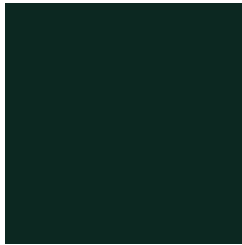
27.5100, 43.3230, 24.3390



69.4300, 109.3390, 61.4270

Previews

White Background



This preview shows how the YIQ color 30.8300, -14.4410, -8.1130 looks on a white background.

Color Contrast Check

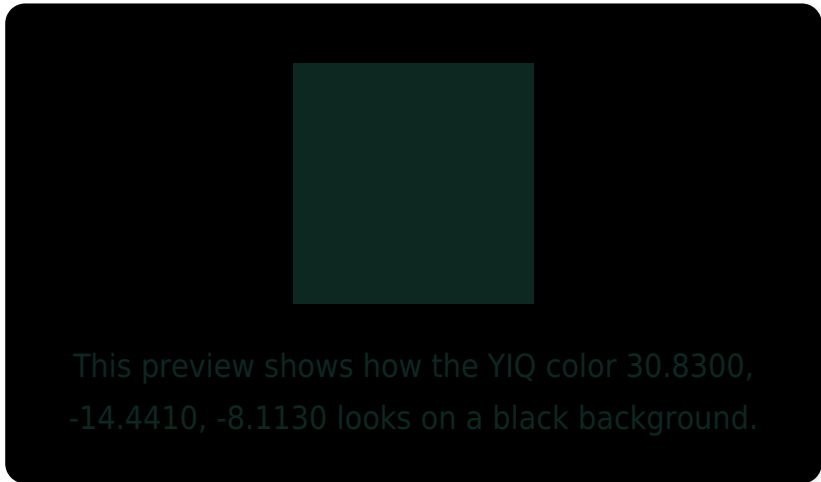
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

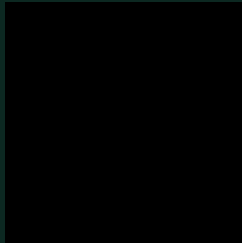
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 30.8300, -14.4410, -8.1130

Background



This preview shows how black text looks on a background with the YIQ color 30.8300, -14.4410, -8.1130.



This preview shows how white text looks on a background with the YIQ color 30.8300, -14.4410,

-8.1130.

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

30.8300, -14.4410, -8.1130

Protanopia

35.1420, 2.4760, -0.8200

Deuteranopia

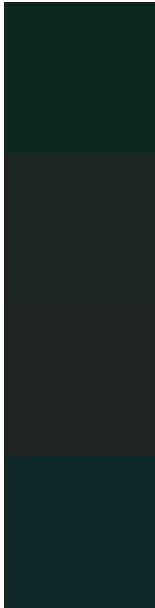
35.4950, 2.9800, 1.0600



Tritanopia

32.4650, -14.6710, -3.9430

Trichromacy



Original Color

30.8300, -14.4410, -8.1130

Protanomaly

33.7390, -3.7590, -3.4630

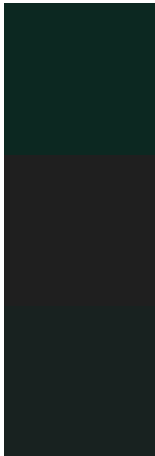
Deuteranomaly

33.6790, -3.5300, -2.1060

Tritanomaly

31.8240, -14.3040, -5.0880

Monochromacy



Original Color

30.8300, -14.4410, -8.1130

Achromatopsia

31.0000, -0.0000, -0.0000

Achromatomaly

30.7820, -5.3180, -2.7420

CSS Examples

Text

The CSS property to change the color of the text to YIQ 30.8300, -14.4410, -8.1130 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(12, 40, 33)` looks like.

```
.text, #text, p{  
    color:rgb(12, 40, 33)  
}
```

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(12, 40, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 40, 33) }
```

Border

The CSS property to change the border of an element to YIQ 30.8300, -14.4410, -8.1130 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(12, 40, 33) }
```


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

```
.border{ border-color:rgb(12, 40, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 40, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 40, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 40, 33);  
box-shadow:4px 4px 4px 4px rgb(12, 40, 33)  
}
```

Background

The CSS property to change the background color of an element to YIQ 30.8300, -14.4410, -8.1130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 40, 33) }
```

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

```
.background{ background-color: rgb(12, 40,  
33) }
```

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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