

Converting Colors

YIQ(33.4280, -22.4170,
-17.7530)

Have a look what the booklet for
YIQ(33.4280, -22.4170, -17.7530)
contains.

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Color

**YIQ(33.4280, -22.4170,
-17.7530)**

Conversions

Conversions Part 1

Format	Color
Hex	01331C
RGB	1, 51, 28
RGB Percent	0%, 20%, 11%
CMY	0.9962, 0.7999, 0.8903
CMYK	0.98, 0.00, 0.45, 0.80
HSL	152°, 96%, 10%
HSV	152°, 98%, 20%
XYZ	1.4062, 2.4595, 1.4981
YIQ	33.4280, -22.4170, -17.7530

Conversions

Conversions Part 2

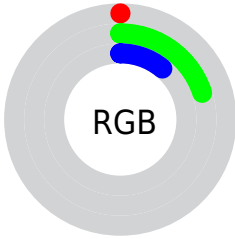
Format	Color
R_{YB}	1, 33, 51
Decimal	78620
CIE _{Lab}	17.73, -22.66, 10.24
CIE _{LCh}	18, 24.866, 155.686
Yxy	2.4595, 0.2622, 0.4585
Android (android.graphics.Color)	4278268700 (0xFF01331C)
YUV	33.4280, -2.6760, -28.4394
Hunter-Lab	15.6827, -11.4392, 5.3143

Details

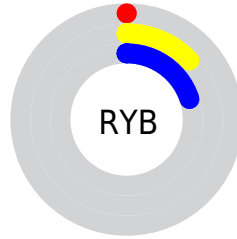
The YIQ color **33.4280, -22.4170, -17.7530** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **18.5720, 22.4170, 17.7530**, and the grayscale version is **33.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **81.2820, -19.0700, -17.8380**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **33.1290, -23.0130, -17.9650**, and if you desaturate by 10%, it is **35.1510, -20.0790, -16.0710**.

Distribution



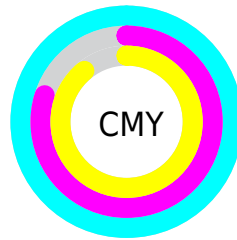
- Red (0%)
- Green (20%)
- Blue (11%)



- Red (0%)
- Yellow (13%)
- Blue (20%)



- Cyan (98%)
- Magenta (0%)
- Yellow (45%)
- Black (80%)



- Cyan (100%)
- Magenta (80%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 33.4280, -22.4170, -17.7530 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 33.4280, -22.4170, -17.7530 by changing the saturation by 10% instead.

■ 33.4280, -22.4170,
-17.7530

■ 33.4280, -22.4170,
-17.7530

■ 249.6180,
-10.7280, -3.8160

■ 18.4250, -9.1670,
-15.5910

■ 81.2820, -19.0700,
-17.8380

■ 0.0000, 0.0000,
0.0000

■ 105.7550,
-19.0240, -18.6720


■ 131.3420,
-19.2990, -19.1950


■ 157.9290,
-19.5740, -19.7180


■ 185.1030,
-20.1240, -20.7640


■ 213.1030,


-20.1240, -20.7640


 238.1680,
-18.7490, -18.1490


 33.4280, -22.4170,
-17.7530


 33.4280, -22.4170,
-17.7530


 33.1290, -23.0130,
-17.9650

 35.1510, -20.0790,
-16.0710

 36.9880, -18.0620,
-14.0780

 38.7110, -15.7240,
-12.3960

 40.4340, -13.3860,
-10.7140

 42.2710, -11.3690,
-8.7210

■ 44.2930, -8.4350,
-6.8270

■ 46.0160, -6.0970,
-5.1450

■ 47.8530, -4.0800,
-3.1520

■ 49.5760, -1.7420,
-1.4700

Harmonies

Analogous

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



38.8130, 1.4240, -14.8000



33.4280, -22.4170, -17.7530



35.7680, -29.0660, -12.8900

Triad

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



33.4280, -22.4170, -17.7530



38.1230, -30.9030, 3.8890



42.4720, 28.1500, 7.4620

Complementary

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



33.4280, -22.4170, -17.7530



18.5720, 22.4170, 17.7530

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.



43.2470, 24.7100, 14.7420



33.4280, -22.4170, -17.7530



44.6920, -4.4040, 13.7400

Square

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



33.4280, -22.4170, -17.7530



37.4270, -37.8710, -1.9910



44.6680, 13.3390, 17.0750



42.0660, 25.9970, -3.0830

Rectangle

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



33.4280, -22.4170, -17.7530



37.1360, -32.9180, -9.1580



44.6680, 13.3390, 17.0750



42.4660, 28.2870, 10.4870

Sweetspot

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



33.4280, -22.4170, -17.7530



59.2930, -8.4350, -6.8270



37.2270, -0.0420, -21.2740



29.1410, -4.9510, -3.8870



161.0000, -0.0000, -0.0000



33.0000, -0.0000, -0.0000

Same Dimension

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



33.4280, -22.4170, -17.7530



42.8460, -29.7060, -23.3220



34.8760, -29.2500, -9.5540



24.8750, -1.1460, -1.2580



57.7150, -39.8830, -31.6190



140.7170, -97.2320, -77.1040

Inverse Universe

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



18.5720, 22.4170, 17.7530



23.2680, 29.3850, 23.6330



17.1240, 29.2500, 9.5540



24.0110, 1.4670, 0.9470



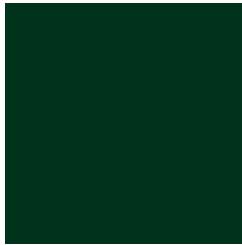
31.2850, 39.8830, 31.6190



76.2830, 97.2320, 77.1040

Previews

White Background



This preview shows how the YIQ color 33.4280, -22.4170, -17.7530 looks on a white background.

Color Contrast Check

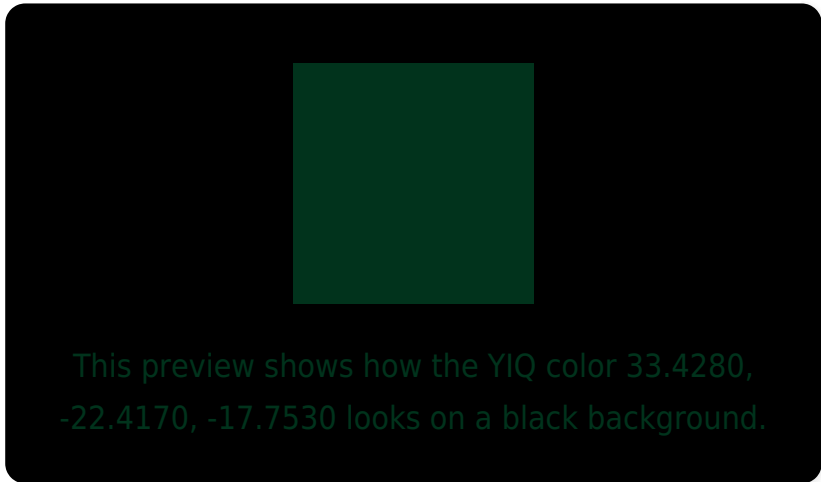
Large Text (above 18pt) WCAG AA ✓ Pass

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

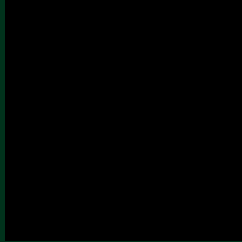
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 33.4280, -22.4170, -17.7530

Background



This preview shows how black text looks on a background with the YIQ color 33.4280, -22.4170, -17.7530.



This preview shows how white text looks on a background with the YIQ color 33.4280, -22.4170,

-17.7530.

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

33.4280, -22.4170, -17.7530

Protanopia

43.0300, 8.4830, -5.0610

Deuteranopia

43.9210, 10.4080, -1.4000



Tritanopia

39.7850, -18.5680, -4.9040

Trichromacy



Original Color

33.4280, -22.4170, -17.7530

Protanomaly

39.8220, -2.7950, -9.9230

Deuteranomaly

39.8870, -1.4200, -7.3080

Tritanomaly

37.2530, -20.1260, -9.7100

Monochromacy



Original Color

33.4280, -22.4170, -17.7530

Achromatopsia

33.0000, -0.0000, -0.0000

Achromatomaly

33.2930, -8.4350, -6.8270

CSS Examples

Text

The CSS property to change the color of the text to YIQ 33.4280, -22.4170, -17.7530 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(1, 51, 28)` looks like.

```
.text, #text, p{  
    color:rgb(1, 51, 28)  
}
```

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(1, 51, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 51, 28) }
```

Border

The CSS property to change the border of an element to YIQ 33.4280, -22.4170, -17.7530 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(1, 51, 28) }
```


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

```
.border{ border-color:rgb(1, 51, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 51, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 51, 28); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 51, 28); box-shadow:4px  
4px 4px 4px rgb(1, 51, 28) }
```

Background

The CSS property to change the background color of an element to YIQ 33.4280, -22.4170, -17.7530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 51, 28) }
```

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

```
.background{ background-color: rgb(1, 51,  
28) }
```

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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