

Converting Colors

YIQ(128.2100, -30.0170,
-78.2810)

Have a look what the booklet for
YIQ(128.2100, -30.0170, -78.2810)
contains.

YIQ(128.2100, -30.0170, -78.2810)	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(128.2100, -30.0170,
-78.2810)**

Conversions

Conversions Part 1

Format	Color
Hex	33BB1C
RGB	51, 187, 28
RGB Percent	20%, 73%, 11%
CMY	0.8004, 0.2664, 0.8902
CMYK	0.73, 0.00, 0.85, 0.27
HSL	111°, 74%, 42%
HSV	111°, 85%, 73%
XYZ	19.3518, 36.3496, 7.0949
YIQ	128.2100, -30.0170, -78.2810

Conversions

Conversions Part 2

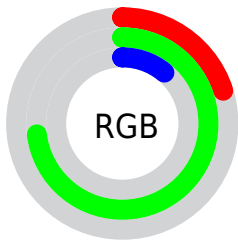
Format	Color
RYB	28, 187, 164
Decimal	3390236
CIELab	66.79, -62.69, 62.25
CIElCh	67, 88.349, 135.200
Yxy	36.3496, 0.3082, 0.5788
Android (android.graphics.Color)	4281580316 (0xFF33BB1C)
YUV	128.2100, -49.4035, -67.7132
Hunter-Lab	60.2906, -48.2145, 35.2263

Details

The YIQ color **128.2100, -30.0170, -78.2810** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **86.7900, 30.0170, 78.2810**, and the grayscale version is **129.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **188.9550, -24.7450, -74.7050**, and **77.4840, -36.3000, -69.0360** is the 20% darker color. If you saturate the color by 10%, you get **121.2600, -33.4540, -87.5820**, and if you desaturate by 10%, it is **135.1600, -26.5800, -68.9800**.

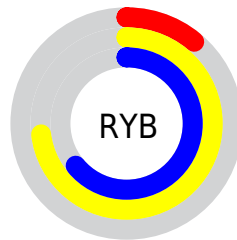
Distribution



Red (20%)

Green (73%)

Blue (11%)



Red (11%)

Yellow (73%)

Blue (64%)

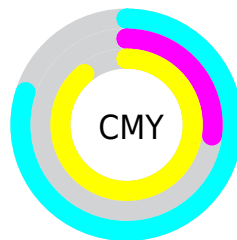


Cyan (73%)

Magenta (0%)

Yellow (85%)

Black (27%)



Cyan (80%)


Magenta (27%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 128.2100, -30.0170, -78.2810 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 128.2100, -30.0170, -78.2810 by changing the saturation by 10% instead.


 128.2100,
-30.0170, -78.2810

 128.2100,
-30.0170, -78.2810


 255.0000, -0.0000,
-0.0000


 93.3330, -43.7250,
-83.1570


 188.9550,
-24.7450, -74.7050


 77.4840, -36.3000,
-69.0360


 207.5740,
-18.8780, -65.3900


 62.2220, -29.1500,
-55.4380


 219.7360, -9.9860,
-50.3220

 46.9600, -22.0000,
-41.8400

 232.1970, -0.4980,
-35.0420

 32.8720, -15.4000,
-29.2880

 244.3590, 8.3940,
-19.9740

 18.7840, -8.8000,
-16.7360

 252.1500, 8.0250,

 0.0000, 0.0000,

-7.7750

0.0000

■ 128.2100,
-30.0170, -78.2810

■ 128.2100,
-30.0170, -78.2810

■ 121.2600,
-33.4540, -87.5820

■ 135.1600,
-26.5800, -68.9800

■ 117.8420,
-35.3330, -92.0770

■ 141.9960,
-22.8220, -59.9900

■ 148.9460,
-19.3850, -50.6890

■ 155.8960,
-15.9480, -41.3880

■ 162.8460,
-12.5110, -32.0870

■ 169.6820, -8.7530,
-23.0970

■ 176.6320, -5.3160,
-13.7960

■ 183.5820, -1.8790,
-4.4950

■ 190.4180, 1.8790,
4.4950

Harmonies

Analogous

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



147.6190, 47.1430, -55.9370



128.2100, -30.0170, -78.2810



128.0310, -91.8240, -64.9760

Triad

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



128.2100, -30.0170, -78.2810



136.4910, -132.1800, -16.4040



129.3510, 93.3840, 58.7280

Complementary

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



128.2100, -30.0170, -78.2810



86.7900, 30.0170, 78.2810

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.



143.6400, 65.5500, 78.5900



128.2100, -30.0170, -78.2810



122.4030, -125.5800, -3.8520

Square

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



128.2100, -30.0170, -78.2810



142.9480, -135.2050, -22.1570



163.7950, 13.2850, 62.1250



143.4660, 107.3760, 14.3840

Rectangle

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



128.2100, -30.0170, -78.2810



135.5890, -110.3500, -48.6060



163.7950, 13.2850, 62.1250



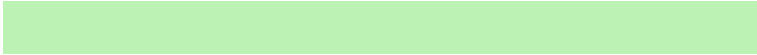
129.3800, 86.4130, 69.4290

Sweetspot

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



128.2100, -30.0170, -78.2810



218.6720, -11.9610, -31.0410



154.7860, 57.6390, -36.8970



108.1000, -6.8740, -18.6020



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



128.2100, -30.0170, -78.2810



152.5190, -45.6900, -119.1460



127.7170, -61.7010, -65.7410



90.5820, -1.8790, -4.4950



99.6230, -29.7420, -77.7580



19.3930, -6.1410, -15.3650

Inverse Universe

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



86.7900, 30.0170, 78.2810



89.4810, 45.6900, 119.1460



87.2830, 61.7010, 65.7410



88.4180, 1.8790, 4.4950



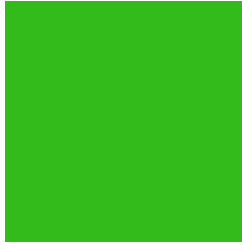
58.3770, 29.7420, 77.7580



11.3080, 5.5450, 15.1530

Previews

White Background



This preview shows how the YIQ color 128.2100, -30.0170, -78.2810 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 128.2100, -30.0170, -78.2810 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 128.2100, -30.0170, -78.2810 Background



This preview shows how black text looks on a background with the YIQ color 128.2100, -30.0170, -78.2810.



This preview shows how white text looks on a background with the YIQ color 128.2100, -30.0170,

-78.2810.

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

128.2100, -30.0170, -78.2810

Protanopia

151.7920, 57.5020, -39.9220

Deuteranopia

155.6810, 62.9090, -22.2670



Tritanopia

150.7790, -53.9620, -13.2420

Trichromacy



Original Color

128.2100, -30.0170, -78.2810



Protanomaly

143.0650, 25.4560, -53.8720



Deuteranomaly

145.4820, 29.0760, -42.3800



Tritanomaly

142.6170, -45.6590, -37.0750

Monochromacy



Original Color

128.2100, -30.0170, -78.2810



Achromatopsia

128.0000, -0.0000, -0.0000



Achromatomaly

127.8510, -10.9070, -28.1150

CSS Examples

Text

The CSS property to change the color of the text to YIQ 128.2100, -30.0170, -78.2810 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(51, 187, 28)` looks like.

```
.text, #text, p{  
    color:rgb(51, 187, 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(51, 187, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 187, 28) }
```

Border

The CSS property to change the border of an element to YIQ 128.2100, -30.0170, -78.2810 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(51, 187, 28) }
```


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

```
.border{ border-color:rgb(51, 187, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 187, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 187, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 187, 28);  
box-shadow:4px 4px 4px 4px rgb(51, 187,  
28) }
```

Background

The CSS property to change the background color of an element to YIQ 128.2100, -30.0170, -78.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 187, 28) }
```

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

```
.background{ background-color: rgb(51, 187,  
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](#).

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