

Converting Colors

YIQ(117.7680, 31.6870,
-29.1210)

Have a look what the booklet for
YIQ(117.7680, 31.6870, -29.1210)
contains.

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Color

**YIQ(117.7680, 31.6870,
-29.1210)**

Conversions

Conversions Part 1

Format	Color
Hex	828021
RGB	130, 128, 33
RGB Percent	51%, 50%, 13%
CMY	0.4903, 0.4980, 0.8704
CMYK	0.00, 0.02, 0.75, 0.49
HSL	59°, 59%, 32%
HSV	59°, 75%, 51%
XYZ	17.1980, 20.2929, 4.4531
YIQ	117.7680, 31.6870, -29.1210

Conversions

Conversions Part 2

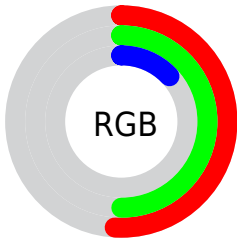
Format	Color
R_{YB}	35, 130, 33
Decimal	8552481
CIE _{Lab}	52.17, -11.02, 48.62
CIE _{LCh}	52, 49.855, 102.770
Yxy	20.2929, 0.4100, 0.4838
Android (android.graphics.Color)	4286742561 (0xFF828021)
YUV	117.7680, -41.7906, 10.7275
Hunter-Lab	45.0476, -10.6865, 25.6724

Details

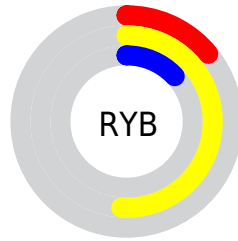
The YIQ color **117.7680, 31.6870, -29.1210** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **45.2320, -31.6870, 29.1210**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **171.5510, 33.7960, -28.7960**, and **69.3960, 24.1670, -24.9930** is the 20% darker color. If you saturate the color by 10%, you get **116.2860, 35.8600, -33.1640**, and if you desaturate by 10%, it is **119.2500, 27.5140, -25.0780**.

Distribution



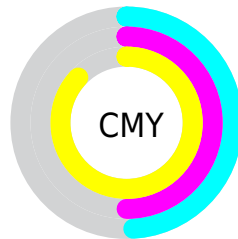
- Red (51%)
- Green (50%)
- Blue (13%)



- Red (14%)
- Yellow (51%)
- Blue (13%)



- Cyan (0%)
- Magenta (2%)
- Yellow (75%)
- Black (49%)



- Cyan (49%)
- Magenta (50%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.7680, 31.6870, -29.1210 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 117.7680, 31.6870, -29.1210 by changing the saturation by 10% instead.

■ 117.7680, 31.6870,
-29.1210

■ 117.7680, 31.6870,
-29.1210

■ 255.0000, -0.0000,
-0.0000

■ 91.2580, 33.0630,
-32.0330

■ 171.5510, 33.7960,
-28.7960

■ 69.3960, 24.1670,
-24.9930

■ 198.7360, 34.7130,
-28.8950

■ 48.4200, 15.5920,
-18.2640

■ 226.8070, 35.9510,
-29.3050

■ 28.6180, 6.4670,
-12.5810

■ 244.6260, 29.2110,
-28.3010

■ 8.2180, -3.8500,
-7.3220

■ 247.8180, 20.2230,
-19.5930

■ 0.0000, 0.0000,
0.0000

■ 251.1240, 10.9140,

-10.5740

254.4300, 1.6050,
-1.5550

117.7680, 31.6870,
-29.1210

117.7680, 31.6870,
-29.1210

116.2860, 35.8600,
-33.1640

119.2500, 27.5140,
-25.0780

114.2170, 40.3080,
-36.6840

121.3190, 23.0660,
-21.5580

113.4190, 42.5550,
-38.8610

122.8010, 18.8930,
-17.5150

124.2830, 14.7200,
-13.4720

125.7650, 10.5470,
-9.4290

■ 127.8340, 6.0990,
-5.9090

■ 129.3160, 1.9260,
-1.8660

■ 130.7980, -2.2470,
2.1770

■ 132.2800, -6.4200,
6.2200

Harmonies

Analogous

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



120.7100, 55.9380, -11.5660



117.7680, 31.6870, -29.1210



112.1360, -7.6960, -36.7520

Triad

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



117.7680, 31.6870, -29.1210



104.5750, -97.4260, -18.4980



125.9680, 39.6980, 40.4820

Complementary

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



117.7680, 31.6870, -29.1210



45.2320, -31.6870, 29.1210

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.



127.9170, 0.1770, 35.3530



117.7680, 31.6870, -29.1210



103.3160, -103.5260, -7.0620

Square

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



117.7680, 31.6870, -29.1210



101.3030, -85.4570, -31.6730



118.9360, -54.7010, 16.6830



122.9040, 62.9450, 32.1690

Rectangle

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



117.7680, 31.6870, -29.1210



101.7860, -47.8130, -42.0930



118.9360, -54.7010, 16.6830



127.3950, 28.1900, 39.7900

Sweetspot

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



117.7680, 31.6870, -29.1210



163.7820, 11.8770, -11.5070



62.3450, 56.8490, 21.4970



81.4920, 7.0620, -6.8420



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



117.7680, 31.6870, -29.1210



149.2530, 48.6540, -44.7700



105.4870, 4.3170, -39.7070



63.2020, 2.2470, -2.1770



111.6470, 41.9130, -38.2390



0.0000, 0.0000, 0.0000

Inverse Universe

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



45.2320, -31.6870, 29.1210



37.7470, -48.6540, 44.7700



57.5130, -4.3170, 39.7070



58.3850, -2.5220, 1.6540



16.3530, -41.9130, 38.2390



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 117.7680, 31.6870, -29.1210 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 117.7680, 31.6870, -29.1210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

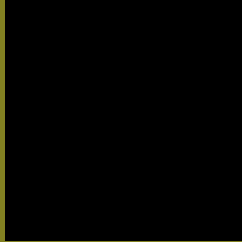
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 117.7680, 31.6870, -29.1210

Background



This preview shows how black text looks on a background with the YIQ color 117.7680, 31.6870, -29.1210.



This preview shows how white text looks on a background with the YIQ color 117.7680, 31.6870,

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

117.7680, 31.6870, -29.1210

Protanopia

118.8830, 38.7930, -25.7430

Deuteranopia

120.1280, 48.6490, -17.1350



Tritanopia

125.8210, 8.1140, 7.1380

Trichromacy



Original Color

117.7680, 31.6870, -29.1210

Protanomaly

118.2740, 36.1340, -27.1140

Deuteranomaly

119.6710, 42.5060, -21.4460

Tritanomaly

122.6950, 16.7360, -5.9520

Monochromacy



Original Color

117.7680, 31.6870, -29.1210

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

118.0100, 11.2350, -10.8850

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.7680, 31.6870, -29.1210 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, 128, 33)` looks like.

```
.text, #text, p{  
    color:rgb(130, 128, 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(130, 128, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 128, 33) }
```

Border

The CSS property to change the border of an element to YIQ 117.7680, 31.6870, -29.1210 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, 128, 33) }
```


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

```
.border{ border-color:rgb(130, 128, 33) }
```

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

Here you see how a box with a 4 pixel rgb(130, 128, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 128, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 128, 33);  
box-shadow:4px 4px 4px 4px rgb(130, 128,  
33) }
```

Background

The CSS property to change the background color of an element to YIQ 117.7680, 31.6870, -29.1210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 128, 33) }
```

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

```
.background{ background-color: rgb(130,  
128, 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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