

Converting Colors

YIQ(29.9330, -15.0880, 20.1440)

Have a look what the booklet for
YIQ(29.9330, -15.0880, 20.1440)
contains.

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Color

**YIQ(29.9330, -15.0880,
20.1440)**

Conversions

Conversions Part 1

Format	Color
Hex	1C1551
RGB	28, 21, 81
RGB Percent	11%, 8%, 32%
CMY	0.8901, 0.9177, 0.6825
CMYK	0.65, 0.74, 0.00, 0.68
HSL	247°, 59%, 20%
HSV	247°, 74%, 32%
XYZ	2.2316, 1.3770, 7.9274
YIQ	29.9330, -15.0880, 20.1440

Conversions

Conversions Part 2

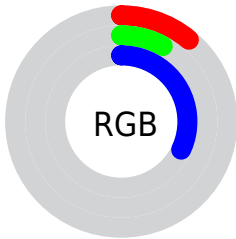
Format	Color
R_{YB}	28, 21, 81
Decimal	1840465
CIE _{Lab}	11.80, 23.33, -35.58
CIE _{LCh}	12, 42.543, 303.256
Yxy	1.3770, 0.1934, 0.1194
Android (android.graphics.Color)	4280030545 (0xFF1C1551)
YUV	29.9330, 25.1760, -1.6952
Hunter-Lab	11.7345, 13.4104, -31.8403

Details

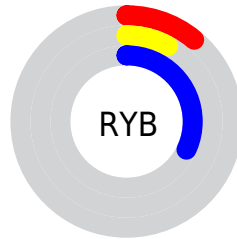
The YIQ color **29.9330, -15.0880, 20.1440** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **72.0670, 15.0880, -20.1440**, and the grayscale version is **30.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **76.1230, -12.5670, 24.0170**, and **5.1640, -11.7850, 9.8390** is the 20% darker color. If you saturate the color by 10%, you get **23.1440, -17.0600, 22.8440**, and if you desaturate by 10%, it is **36.7220, -13.1160, 17.4440**.

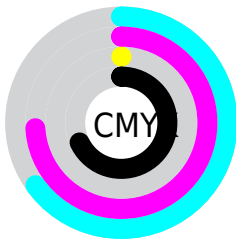
Distribution



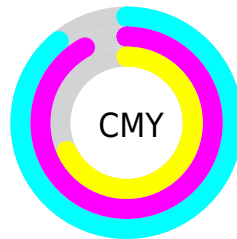
- Red (11%)
- Green (8%)
- Blue (32%)



- Red (11%)
- Yellow (8%)
- Blue (32%)



- Cyan (65%)
- Magenta (74%)
- Yellow (0%)
- Black (68%)



- Cyan (89%)
- Magenta (92%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 29.9330, -15.0880, 20.1440 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 29.9330, -15.0880, 20.1440 by changing the saturation by 10% instead.

■ 29.9330, -15.0880,
20.1440

■ 29.9330, -15.0880,
20.1440

■ 250.8910, 1.9250,
3.6610

■ 8.4060, -15.0420,
19.3100

■ 76.1230, -12.5670,
24.0170

■ 5.1640, -11.7850,
9.8390

■ 100.9490,
-12.0170, 25.0630

■ 1.1400, -3.2100,
3.1100

■ 126.0030,
-12.1090, 26.7310

■ 0.0000, 0.0000,
0.0000

■ 152.4160,
-11.8340, 27.2540

■ 179.3560,
-11.6050, 28.6110

■ 205.1730, -6.8360,

24.7800

■ 230.2800, 2.7480,
16.2840

■ 29.9330, -15.0880,
20.1440

■ 29.9330, -15.0880,
20.1440

■ 23.1440, -17.0600,
22.8440

■ 36.7220, -13.1160,
17.4440

■ 16.3550, -19.0320,
25.5440

■ 43.5110, -11.1440,
14.7440

■ 11.9250, -20.6370,
27.0990

■ 50.3000, -9.1720,
12.0440

■ 57.3880, -6.6040,
9.5560

■ 64.1770, -4.6320,
6.8560

■ 71.5530, -2.9350,
3.6330

■ 78.3420, -0.9630,
0.9330

■ 85.1310, 1.0090,
-1.7670

■ 91.9200, 2.9810,
-4.4670

Harmonies

Analogous

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



30.9190, -38.8360, 9.9960



29.9330, -15.0880, 20.1440



26.3460, 20.7180, 32.0300

Triad

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



29.9330, -15.0880, 20.1440



28.5060, 30.8100, 3.3060



29.1170, -22.7390, -11.9150

Complementary

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



29.9330, -15.0880, 20.1440



72.0670, 15.0880, -20.1440

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.



24.6540, -11.5500, -21.9660



29.9330, -15.0880, 20.1440



29.2600, 13.5270, -8.3690

Square

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



29.9330, -15.0880, 20.1440



22.7240, 45.2960, 16.1120



22.9040, -9.2580, -19.4500



32.4230, -32.0480, -2.8960

Rectangle

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



29.9330, -15.0880, 20.1440



27.4690, 33.3730, 28.4530



22.9040, -9.2580, -19.4500



27.8630, -19.2080, -15.3360

Sweetspot

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



29.9330, -15.0880, 20.1440



85.2200, -6.1910, 7.5770



58.9510, -33.8350, -9.0590



41.8950, -3.8980, 4.5660



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000

Same Dimension

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



29.9330, -15.0880, 20.1440



25.5920, -23.8930, 31.0430



38.9030, 2.7920, 26.5040



37.4560, -1.2840, 1.2440



15.5580, -26.5530, 35.1990



34.5210, -58.3800, 77.8760

Inverse Universe

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



44.9820, 18.7470, 29.2030



49.1550, 29.1060, 45.2180



63.0970, -2.7920, -26.5040



38.5380, 1.4210, 1.7810



41.8830, 33.0480, 50.8720



92.7380, 72.4670, 112.9390

Previews

White Background



This preview shows how the YIQ color 29.9330, -15.0880, 20.1440 looks on a white background.

Color Contrast Check

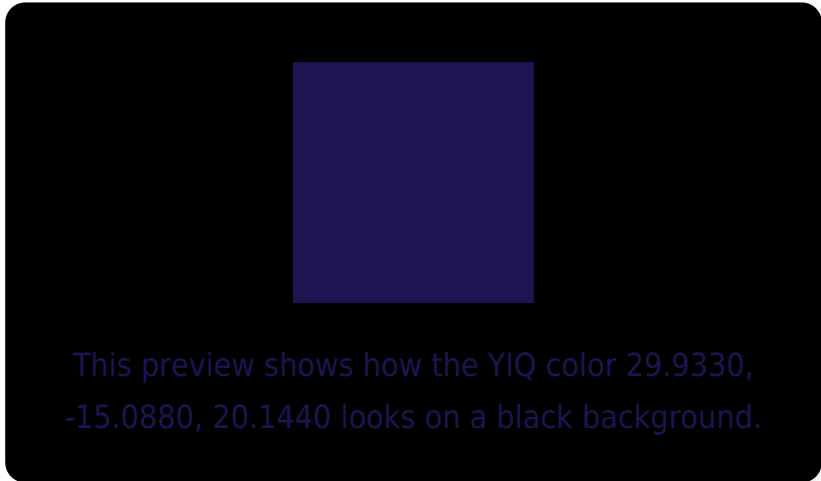
Large Text (above 18pt) WCAG AA ✓ Pass

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

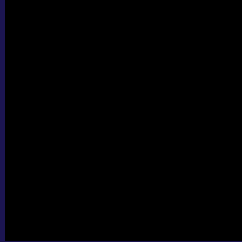
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 29.9330, -15.0880, 20.1440

Background



This preview shows how black text looks on a background with the YIQ color 29.9330, -15.0880, 20.1440.



This preview shows how white text looks on a background with the YIQ color 29.9330, -15.0880,

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

29.9330, -15.0880, 20.1440

Protanopia

25.6070, -29.3900, 4.0020

Deuteranopia

25.7550, -27.0510, 0.1570



Tritanopia

25.4640, -22.0980, -7.0100

Trichromacy



Original Color

29.9330, -15.0880, 20.1440

Protanomaly

26.9330, -24.2560, 10.0800

Deuteranomaly

27.4230, -22.8800, 7.1680

Tritanomaly

27.3430, -19.8990, 2.7010

Monochromacy



Original Color

29.9330, -15.0880, 20.1440

Achromatopsia

30.0000, -0.0000, -0.0000

Achromatomaly

30.1060, -5.8700, 7.2660

CSS Examples

Text

The CSS property to change the color of the text to YIQ 29.9330, -15.0880, 20.1440 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(28, 21, 81)` looks like.

```
.text, #text, p{  
    color:rgb(28, 21, 81)  
}
```

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(28, 21, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 21, 81) }
```

Border

The CSS property to change the border of an element to YIQ 29.9330, -15.0880, 20.1440 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(28, 21, 81) }
```


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

```
.border{ border-color:rgb(28, 21, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 21, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 21, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 21, 81);  
box-shadow:4px 4px 4px 4px rgb(28, 21, 81)  
}
```

Background

The CSS property to change the background color of an element to YIQ 29.9330, -15.0880, 20.1440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 21, 81) }
```

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

```
.background{ background-color: rgb(28, 21,  
81) }
```

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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