

Converting Colors

YIQ(28.3070, -1.8820, 12.0860)

Have a look what the booklet for
YIQ(28.3070, -1.8820, 12.0860)
contains.

YIQ(28.3070, -1.8820, 12.0860)	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(28.3070, -1.8820,
12.0860)**

Conversions

Conversions Part 1

Format	Color
Hex	221533
RGB	34, 21, 51
RGB Percent	13%, 8%, 20%
CMY	0.8666, 0.9177, 0.8000
CMYK	0.33, 0.59, 0.00, 0.80
HSL	266°, 42%, 14%
HSV	266°, 59%, 20%
XYZ	1.5255, 1.1154, 3.2659
YIQ	28.3070, -1.8820, 12.0860

Conversions

Conversions Part 2

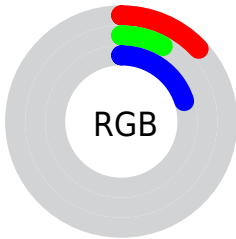
Format	Color
RYB	34, 21, 51
Decimal	2233651
CIELab	9.92, 14.41, -17.46
CIELCh	10, 22.634, 309.540
Yxy	1.1154, 0.2583, 0.1888
Android (android.graphics.Color)	4280423731 (0xFF221533)
YUV	28.3070, 11.1876, 4.9928
Hunter-Lab	10.5611, 7.3020, -10.9422

Details

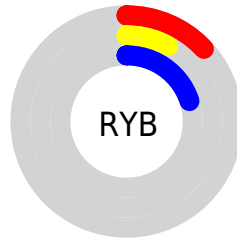
The YIQ color **28.3070, -1.8820, 12.0860** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **43.6930, 1.8820, -12.0860**, and the grayscale version is **28.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **72.6600, -1.3780, 13.9660**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **24.4750, -2.2950, 14.0650**, and if you desaturate by 10%, it is **32.1390, -1.4690, 10.1070**.

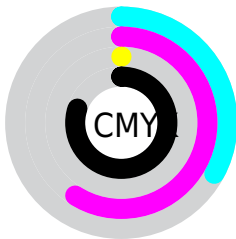
Distribution



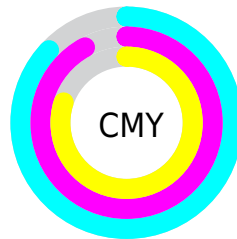
- Red (13%)
- Green (8%)
- Blue (20%)



- Red (13%)
- Yellow (8%)
- Blue (20%)



- Cyan (33%)
- Magenta (59%)
- Yellow (0%)
- Black (80%)



- Cyan (87%)
- Magenta (92%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 28.3070, -1.8820, 12.0860 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 28.3070, -1.8820, 12.0860 by changing the saturation by 10% instead.

■ 28.3070, -1.8820,
12.0860

■ 28.3070, -1.8820,
12.0860

■ 250.3040, 2.2000,
4.1840

■ 7.9050, -0.6900,
12.5100

■ 72.6600, -1.3780,
13.9660

■ 0.0000, 0.0000,
0.0000

■ 96.1870, -1.4240,
14.8000

■ 121.1870, -1.4240,
14.8000

■ 147.0130, -0.8740,
15.8460

■ 173.2410, -1.5160,
16.4680

■ 201.2410, -1.5160,

16.4680

■ 228.4970, 0.6390,
15.9590

■ 28.3070, -1.8820,
12.0860

■ 28.3070, -1.8820,
12.0860

■ 24.4750, -2.2950,
14.0650

■ 32.1390, -1.4690,
10.1070

■ 20.6430, -2.7080,
16.0440

■ 35.9710, -1.0560,
8.1280

■ 16.8110, -3.1210,
18.0230

■ 39.8030, -0.6430,
6.1490

■ 12.9790, -3.5340,
20.0020

■ 43.6350, -0.2300,
4.1700

■ 12.3920, -3.2590,
20.5250

■ 47.1680, -0.4130,
1.9790

■ 51.5870, -0.2750,
-0.5230

■ 55.4190, 0.1380,
-2.5020

■ 59.2510, 0.5510,
-4.4810

■ 63.0830, 0.9640,
-6.4600

Harmonies

Analogous

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



22.7600, -25.4470, 4.1290



28.3070, -1.8820, 12.0860



27.2010, 13.1560, 14.8840

Triad

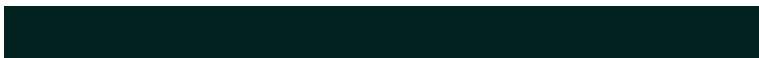
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.3070, -1.8820, 12.0860



26.6570, 19.8990, -2.7010



24.1930, -19.8970, -8.3530

Complementary

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



28.3070, -1.8820, 12.0860



43.6930, 1.8820, -12.0860

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.



21.6680, -14.1650, -13.1170



28.3070, -1.8820, 12.0860



25.7050, 10.7760, -8.0720

Square

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



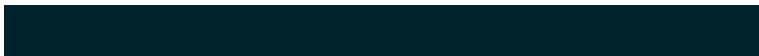
28.3070, -1.8820, 12.0860



25.4670, 26.5460, 3.4900



23.5680, 0.7360, -13.3440



25.2020, -24.1160, -3.4760

Rectangle

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



28.3070, -1.8820, 12.0860



26.3820, 19.8960, 13.8800



23.5680, 0.7360, -13.3440



23.6230, -18.2920, -9.9080

Sweetspot

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



28.3070, -1.8820, 12.0860



57.1620, -0.2760, 5.0040



34.3990, -14.3050, 0.4390



27.6950, -0.4590, 2.8130



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.



28.3070, -1.8820, 12.0860



30.6370, -2.5710, 19.0690



32.7920, 7.0580, 15.2660



23.6410, -0.3670, 1.1450



21.8070, -5.3250, 35.9470



52.8440, -13.6330, 87.4150

Inverse Universe

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



31.9080, 12.4230, 11.6470



36.1310, 19.3450, 18.3610



39.2080, -7.0580, -15.2660



24.0110, 1.4670, 0.9470



32.4250, 36.6730, 34.7290



78.9050, 89.8490, 84.2570

Previews

White Background



This preview shows how the YIQ color 28.3070, -1.8820, 12.0860 looks on a white background.

Color Contrast Check

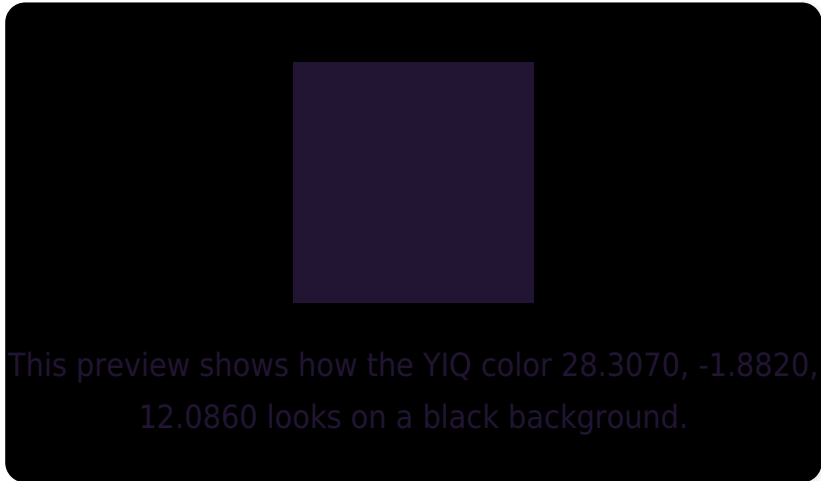
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3070, -1.8820, 12.0860

Background



This preview shows how black text looks on a background with the YIQ color 28.3070, -1.8820, 12.0860.



This preview shows how white text looks on a background with the YIQ color 28.3070, -1.8820,

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

28.3070, -1.8820, 12.0860

Protanopia

22.3470, -25.7220, 3.6060

Deuteranopia

24.4140, -18.6610, 2.2910



Tritanopia

28.1250, 1.1460, 1.2580

Trichromacy



Original Color

28.3070, -1.8820, 12.0860

Protanomaly

24.5330, -17.3780, 6.5740

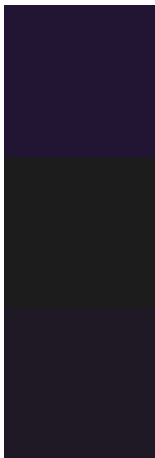
Deuteranomaly

25.4580, -12.7930, 6.0790

Tritanomaly

28.1620, -0.2760, 5.0040

Monochromacy



Original Color

28.3070, -1.8820, 12.0860

Achromatopsia

28.0000, -0.0000, 0.0000

Achromatomaly

27.7490, -0.5510, 4.4810

CSS Examples

Text

The CSS property to change the color of the text to YIQ 28.3070, -1.8820, 12.0860 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(34, 21, 51)` looks like.

```
.text, #text, p{  
    color:rgb(34, 21, 51)  
}
```

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(34, 21, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 21, 51) }
```

Border

The CSS property to change the border of an element to YIQ 28.3070, -1.8820, 12.0860 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(34, 21, 51) }
```


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

```
.border{ border-color:rgb(34, 21, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 21, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 21, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 21, 51);  
box-shadow:4px 4px 4px 4px rgb(34, 21, 51)  
}
```

Background

The CSS property to change the background color of an element to YIQ 28.3070, -1.8820, 12.0860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 21, 51) }
```

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

```
.background{ background-color: rgb(34, 21,  
51) }
```

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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