

Converting Colors

YIQ(27.8970, 29.2920, 30.8280)

Have a look what the booklet for
YIQ(27.8970, 29.2920, 30.8280)
contains.

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Color

**YIQ(27.8970, 29.2920,
30.8280)**

Conversions

Conversions Part 1

Format	Color
Hex	4B0030
RGB	75, 0, 48
RGB Percent	29%, 0%, 19%
CMY	0.7057, 1.0000, 0.8117
CMYK	0.00, 1.00, 0.36, 0.71
HSL	322°, 100%, 15%
HSV	322°, 100%, 29%
XYZ	3.4397, 1.7116, 2.9476
YIQ	27.8970, 29.2920, 30.8280

Conversions

Conversions Part 2

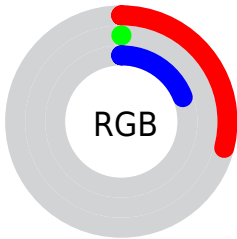
Format	Color
RYB	75, 0, 48
Decimal	4915248
CIELab	13.89, 36.53, -8.51
CIElCh	14, 37.509, 346.886
Yxy	1.7116, 0.4247, 0.2113
Android (android.graphics.Color)	4283105328 (0xFF4B0030)
YUV	27.8970, 9.9108, 41.3093
Hunter-Lab	13.0827, 24.0369, -4.2003

Details

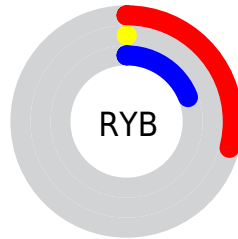
The YIQ color **27.8970, 29.2920, 30.8280** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **47.1030, -29.2920, -30.8280**, and the grayscale version is **28.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **80.3870, 30.6680, 27.9160**, and **6.5780, 13.1120, 4.6640** is the 20% darker color. If you saturate the color by 10%, you get **27.8970, 29.2920, 30.8280**, and if you desaturate by 10%, it is **32.9350, 26.1290, 27.5770**.

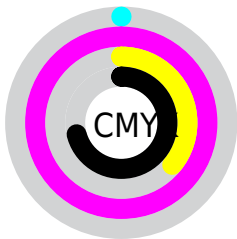
Distribution



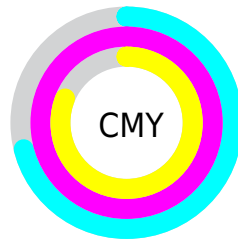
- Red (29%)
- Green (0%)
- Blue (19%)



- Red (29%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (71%)





- Cyan (71%)
- Magenta (100%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 27.8970, 29.2920, 30.8280 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 27.8970, 29.2920, 30.8280 by changing the saturation by 10% instead.


 27.8970, 29.2920,
30.8280


 27.8970, 29.2920,
30.8280

 246.7820, 3.8500,
7.3220


 18.3270, 21.7290,
19.2090


 80.3870, 30.6680,
27.9160


 6.5780, 13.1120,
4.6640

 105.9850, 31.8600,
28.3400

 0.0000, 0.0000,
0.0000


 131.8820, 33.6480,
28.9760


 158.5940, 34.5190,
29.7110


 186.1920, 35.7110,
30.1350


 210.0170, 28.8340,


28.1140


 229.7590, 11.8250,
22.4890


 27.8970, 29.2920,
30.8280

 32.9350, 26.1290,
27.5770

 37.2720, 23.5620,
24.5380

 42.3100, 20.3990,
21.2870

 46.7610, 17.5110,
18.5590

 51.7990, 14.3480,
15.3080

■ 56.1360, 11.7810,
12.2690

■ 61.1740, 8.6180,
9.0180

■ 65.6250, 5.7300,
6.2900

■ 70.5490, 2.8880,
2.7280

Harmonies

Analogous

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



35.5070, 3.8470, 23.9030



27.8970, 29.2920, 30.8280



26.4280, 40.6180, 23.8020

Triad

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



27.8970, 29.2920, 30.8280



32.4610, 8.3470, -13.6130



35.4380, -36.4040, -1.0440

Complementary

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



27.8970, 29.2920, 30.8280



47.1030, -29.2920, -30.8280

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.



32.7020, -28.7000, -8.5080



27.8970, 29.2920, 30.8280



25.2410, -11.8250, -22.4890

Square

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



27.8970, 29.2920, 30.8280



34.0550, 24.5300, -4.0300



29.5100, -19.7120, -17.2160



34.5720, -39.4770, 5.0910

Rectangle

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



27.8970, 29.2920, 30.8280



28.0070, 42.8210, 11.4050



29.5100, -19.7120, -17.2160



34.6400, -34.1570, -3.2210

Sweetspot

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



27.8970, 29.2920, 30.8280



78.7230, 11.5060, 11.7460



16.3240, -8.5790, 28.8370



37.3370, 6.6010, 7.0250



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000

Same Dimension

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



27.8970, 29.2920, 30.8280



36.0710, 37.9100, 39.8460



23.6790, 41.1690, 19.3210



35.5380, 1.4210, 1.7810



37.9080, 39.9270, 41.8390



85.5280, 89.8930, 94.4770

Inverse Universe

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



27.8970, 29.2920, 30.8280



36.0710, 37.9100, 39.8460



51.3210, -41.1690, -19.3210



35.5380, 1.4210, 1.7810



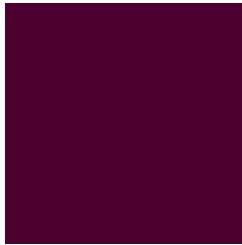
37.9080, 39.9270, 41.8390



85.5280, 89.8930, 94.4770

Previews

White Background



This preview shows how the YIQ color 27.8970, 29.2920, 30.8280 looks on a white background.

Color Contrast Check

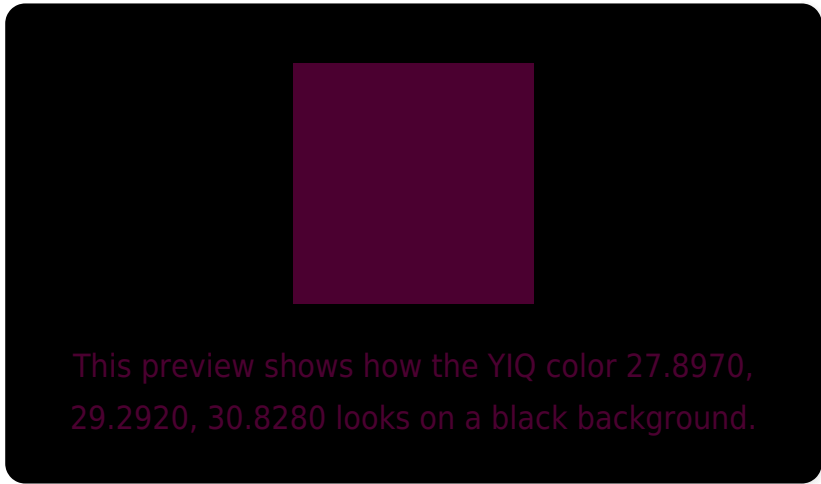
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8970, 29.2920, 30.8280

Background



This preview shows how black text looks on a background with the YIQ color 27.8970, 29.2920, 30.8280.



This preview shows how white text looks on a background with the YIQ color 27.8970, 29.2920,

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

27.8970, 29.2920, 30.8280

Protanopia

38.8320, -16.7820, 6.7860

Deuteranopia

40.2820, -0.7340, 2.2900



Tritanopia

35.2600, 31.8630, 11.7590

Trichromacy



Original Color

27.8970, 29.2920, 30.8280

Protanomaly

34.7850, -0.2320, 15.2240

Deuteranomaly

35.7660, 9.9470, 12.4670

Tritanomaly

32.5900, 31.1740, 18.7420

Monochromacy



Original Color

27.8970, 29.2920, 30.8280

Achromatopsia

28.0000, -0.0000, 0.0000

Achromatomaly

28.0110, 10.6350, 11.0110

CSS Examples

Text

The CSS property to change the color of the text to YIQ 27.8970, 29.2920, 30.8280 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(75, 0, 48)` looks like.

```
.text, #text, p{  
    color:rgb(75, 0, 48)  
}
```

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(75, 0, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 0, 48) }
```

Border

The CSS property to change the border of an element to YIQ 27.8970, 29.2920, 30.8280 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(75, 0, 48) }
```


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

```
.border{ border-color:rgb(75, 0, 48) }
```

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

Here you see how a box with a 4 pixel rgb(75, 0, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 0, 48); -webkit-box-shadow:4px  
4px 4px 4px rgb(75, 0, 48); box-shadow:4px  
4px 4px 4px rgb(75, 0, 48) }
```

Background

The CSS property to change the background color of an element to YIQ 27.8970, 29.2920, 30.8280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 0, 48) }
```

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

```
.background{ background-color: rgb(75, 0,  
48) }
```

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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