

Converting Colors

YIQ(29.8210, 0.0870, 25.9670)

Have a look what the booklet for
YIQ(29.8210, 0.0870, 25.9670)
contains.

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Color

**YIQ(29.8210, 0.0870,
25.9670)**

Conversions

Conversions Part 1

Format	Color
Hex	2E0D4A
RGB	46, 13, 74
RGB Percent	18%, 5%, 29%
CMY	0.8195, 0.9491, 0.7099
CMYK	0.38, 0.82, 0.00, 0.71
HSL	273°, 70%, 17%
HSV	273°, 82%, 29%
XYZ	2.5074, 1.3633, 6.6074
YIQ	29.8210, 0.0870, 25.9670

Conversions

Conversions Part 2

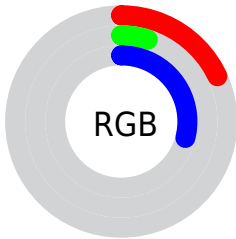
Format	Color
RYB	46, 13, 74
Decimal	3018058
CIELab	11.71, 29.40, -30.82
CIELCh	12, 42.591, 313.653
Yxy	1.3633, 0.2393, 0.1301
Android (android.graphics.Color)	4281208138 (0xFF2E0D4A)
YUV	29.8210, 21.7802, 14.1890
Hunter-Lab	11.6760, 17.9002, -25.3791

Details

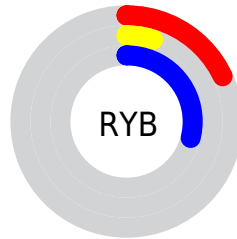
The YIQ color **29.8210, 0.0870, 25.9670** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **57.1790, -0.0870, -25.9670**, and the grayscale version is **30.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **77.0600, 0.9120, 27.5360**, and **4.4800, -9.8590, 7.9730** is the 20% darker color. If you saturate the color by 10%, you get **24.8150, 0.2240, 28.9920**, and if you desaturate by 10%, it is **34.8270, -0.0500, 22.9420**.

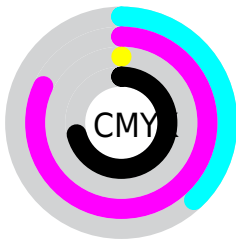
Distribution



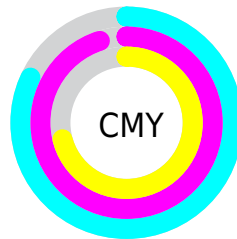
- Red (18%)
- Green (5%)
- Blue (29%)



- Red (18%)
- Yellow (5%)
- Blue (29%)



- Cyan (38%)
- Magenta (82%)
- Yellow (0%)
- Black (71%)



- Cyan (82%)
- Magenta (95%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 29.8210, 0.0870, 25.9670 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 29.8210, 0.0870, 25.9670 by changing the saturation by 10% instead.

■ 29.8210, 0.0870,
25.9670

■ 29.8210, 0.0870,
25.9670

■ 247.9560, 3.3000,
6.2760

■ 13.5880, -0.8750,
21.3730

■ 76.4730, 1.1870,
28.0590

■ 4.4800, -9.8590,
7.9730

■ 101.2990, 1.7370,
29.1050

■ 0.0000, 0.0000,
0.0000


■ 126.8260, 1.6910,
29.9390


■ 153.6520, 2.2410,
30.9850


■ 180.1790, 2.1950,
31.8190


■ 207.3210, 4.6710,

30.9990


 230.9330, 11.2750,
21.4430


 29.8210, 0.0870,
25.9670

 29.8210, 0.0870,
25.9670


 24.8150, 0.2240,
28.9920


 34.8270, -0.0500,
22.9420

 20.3960, 0.0860,
31.4940

 40.7190, 0.1340,
19.6060

 45.7250, -0.0030,
16.5810

 51.6170, 0.1810,
13.2450

 56.6230, 0.0440,
10.2200

■ 61.6290, -0.0930,
7.1950

■ 67.5210, 0.0910,
3.8590

■ 72.5270, -0.0460,
0.8340

■ 78.4190, 0.1380,
-2.5020

Harmonies

Analogous

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



28.3430, -37.0940, 11.4660



29.8210, 0.0870, 25.9670



27.2990, 28.1000, 30.4040

Triad

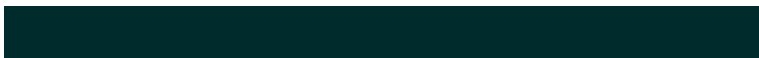
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.8210, 0.0870, 25.9670



29.3480, 25.2630, -0.7930



30.2570, -25.9490, -8.8050

Complementary

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



29.8210, 0.0870, 25.9670



57.1790, -0.0870, -25.9670

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.



25.9080, -15.0810, -18.5450



29.8210, 0.0870, 25.9670



28.3300, 7.3380, -11.8460

Square

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



29.8210, 0.0870, 25.9670



22.4030, 41.7660, 14.0060



22.8930, -10.7250, -20.3970



32.7480, -34.3410, 0.1150

Rectangle

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



29.8210, 0.0870, 25.9670



26.9270, 37.7750, 25.7670



22.8930, -10.7250, -20.3970



29.1170, -22.7390, -11.9150

Sweetspot

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



29.8210, 0.0870, 25.9670



79.6230, 0.0440, 10.2200



36.3900, -27.2810, 4.3270



37.9880, 0.2740, 6.0500



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.



29.8210, 0.0870, 25.9670



27.4920, 0.1760, 40.8800



37.9650, 17.4170, 31.2810



35.0540, -0.0920, 1.6680



28.0730, 0.0380, 43.3820



63.2960, 0.0740, 97.8180

Inverse Universe

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



34.4310, 27.3680, 21.6400



34.7200, 43.0920, 34.0360



49.0350, -17.4170, -31.2810



35.4240, 1.7420, 1.4700



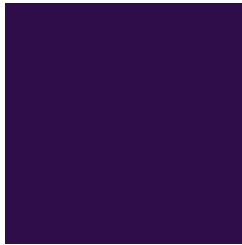
35.8560, 45.7050, 36.2410



80.7400, 103.3750, 81.4150

Previews

White Background



This preview shows how the YIQ color 29.8210, 0.0870, 25.9670 looks on a white background.

Color Contrast Check

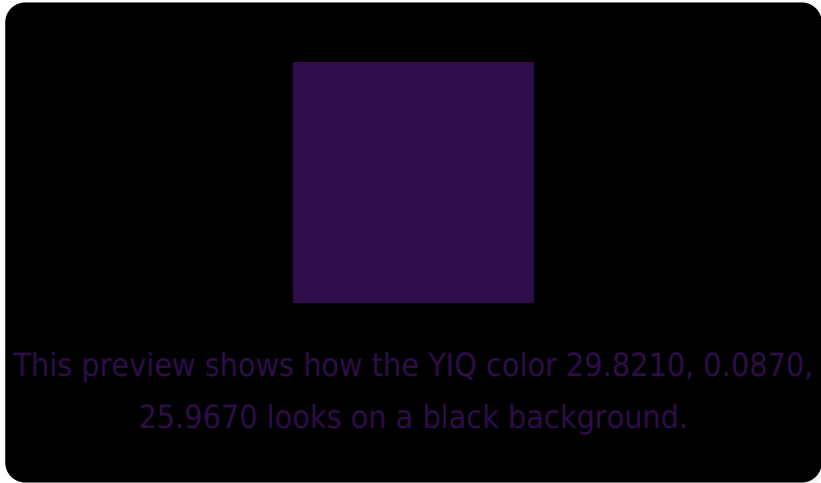
Large Text (above 18pt) WCAG AA ✓ Pass

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

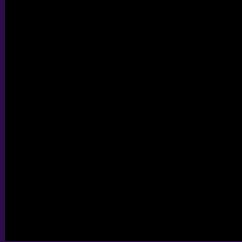
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 29.8210, 0.0870, 25.9670

Background



This preview shows how black text looks on a background with the YIQ color 29.8210, 0.0870, 25.9670.



This preview shows how white text looks on a background with the YIQ color 29.8210, 0.0870,

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

29.8210, 0.0870, 25.9670

Protanopia

26.3080, -29.9860, 3.7900

Deuteranopia

26.4560, -27.6470, -0.0550



Tritanopia

33.3210, 3.5300, 2.1060

Trichromacy



Original Color

29.8210, 0.0870, 25.9670

Protanomaly

27.6240, -18.8920, 11.9880

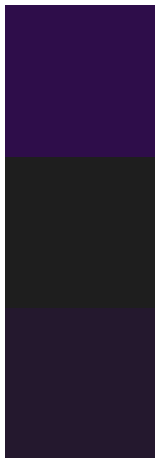
Deuteranomaly

27.5270, -17.2410, 9.5990

Tritanomaly

31.8190, 2.4280, 11.0680

Monochromacy



Original Color

29.8210, 0.0870, 25.9670

Achromatopsia

30.0000, -0.0000, -0.0000

Achromatomaly

30.0960, 0.0900, 9.3860

CSS Examples

Text

The CSS property to change the color of the text to YIQ 29.8210, 0.0870, 25.9670 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(46, 13, 74)` looks like.

```
.text, #text, p{  
    color:rgb(46, 13, 74)  
}
```

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(46, 13, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 13, 74) }
```

Border

The CSS property to change the border of an element to YIQ 29.8210, 0.0870, 25.9670 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(46, 13, 74) }
```


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

```
.border{ border-color:rgb(46, 13, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 13, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 13, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 13, 74);  
box-shadow:4px 4px 4px 4px rgb(46, 13, 74)  
}
```

Background

The CSS property to change the background color of an element to YIQ 29.8210, 0.0870, 25.9670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 13, 74) }
```

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

```
.background{ background-color: rgb(46, 13,  
74) }
```

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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