

Converting Colors

YIQ(29.7510, -2.8920, 19.3800)

Have a look what the booklet for
YIQ(29.7510, -2.8920, 19.3800)
contains.

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Color

**YIQ(29.7510, -2.8920,
19.3800)**

Conversions

Conversions Part 1

Format	Color
Hex	271242
RGB	39, 18, 66
RGB Percent	15%, 7%, 26%
CMY	0.8470, 0.9294, 0.7412
CMYK	0.41, 0.73, 0.00, 0.74
HSL	266°, 57%, 16%
HSV	266°, 73%, 26%
XYZ	2.0366, 1.2573, 5.2877
YIQ	29.7510, -2.8920, 19.3800

Conversions

Conversions Part 2

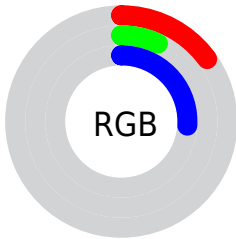
Format	Color
R_{YB}	39, 18, 66
Decimal	2560578
CIE _{Lab}	10.97, 22.61, -26.46
CIE _{LCh}	11, 34.808, 310.514
Yxy	1.2573, 0.2373, 0.1465
Android (android.graphics.Color)	4280750658 (0xFF271242)
YUV	29.7510, 17.8708, 8.1114
Hunter-Lab	11.2128, 12.7996, -20.1108

Details

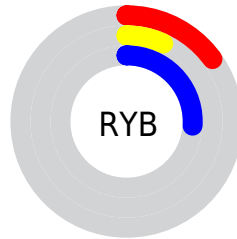
The YIQ color **29.7510, -2.8920, 19.3800** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **54.2490, 2.8920, -19.3800**, and the grayscale version is **30.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **75.4030, -1.7920, 21.4720**, and **3.0950, -7.3370, 6.3190** is the 20% darker color. If you saturate the color by 10%, you get **24.4460, -3.3510, 22.1930**, and if you desaturate by 10%, it is **35.0560, -2.4330, 16.5670**.

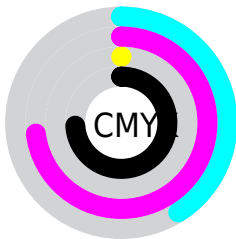
Distribution



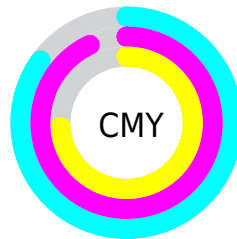
- Red (15%)
- Green (7%)
- Blue (26%)



- Red (15%)
- Yellow (7%)
- Blue (26%)



- Cyan (41%)
- Magenta (73%)
- Yellow (0%)
- Black (74%)



- Cyan (85%)
- Magenta (93%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 29.7510, -2.8920, 19.3800 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 29.7510, -2.8920, 19.3800 by changing the saturation by 10% instead.

■ 29.7510, -2.8920,
19.3800

■ 29.7510, -2.8920,
19.3800

■ 249.1300, 2.7500,
5.2300

■ 11.5940, -1.0120,
18.3480

■ 75.4030, -1.7920,
21.4720

■ 3.0950, -7.3370,
6.3190

■ 99.3430, -1.5630,
22.8290

■ 0.0000, 0.0000,
0.0000

■ 124.8700, -1.6090,
23.6630

■ 150.6960, -1.0590,
24.7090

■ 177.8100, -1.3800,
25.0200

■ 205.3370, -1.4260,

25.8540

■ 230.9000, 6.8740,
18.6020

■ 29.7510, -2.8920,
19.3800

■ 29.7510, -2.8920,
19.3800

■ 24.4460, -3.3510,
22.1930

■ 35.0560, -2.4330,
16.5670

■ 20.0270, -3.4890,
24.6950

■ 39.4750, -2.2950,
14.0650

■ 16.1950, -3.9020,
26.6740

■ 44.7800, -1.8360,
11.2520

■ 49.4980, -1.1020,
8.9620

■ 54.8030, -0.6430,
6.1490

■ 59.8090, -0.7800,
3.1240

■ 64.5270, -0.0460,
0.8340

■ 69.8320, 0.4130,
-1.9790

■ 74.2510, 0.5510,
-4.4810

Harmonies

Analogous

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



26.3880, -32.9670, 8.2570



29.7510, -2.8920, 19.3800



24.6680, 22.5070, 27.1390

Triad

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



29.7510, -2.8920, 19.3800



27.8640, 23.7500, -0.9060



27.6980, -22.8770, -9.4130

Complementary

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



29.7510, -2.8920, 19.3800



54.2490, 2.8920, -19.3800

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.



24.0330, -13.9350, -17.2870



29.7510, -2.8920, 19.3800



27.4660, 9.9510, -9.6410

Square

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



29.7510, -2.8920, 19.3800



23.5440, 36.8150, 10.1190



21.4310, -9.3040, -18.6160



29.7330, -29.9850, -1.7370

Rectangle

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



29.7510, -2.8920, 19.3800



24.0510, 31.4940, 23.9580



21.4310, -9.3040, -18.6160



26.7860, -20.3090, -11.9010

Sweetspot

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



29.7510, -2.8920, 19.3800



72.5580, -1.3310, 7.6050



39.3210, -22.8330, 0.8070



34.7490, -0.5510, 4.4810



171.0000, -0.0000, -0.0000



43.0000, -0.0000, -0.0000

Same Dimension

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



29.7510, -2.8920, 19.3800



29.5310, -4.7280, 30.6320



36.9270, 11.4120, 24.4680



30.6410, -0.3670, 1.1450



23.6160, -6.1050, 39.0710



54.8380, -13.4960, 90.4400

Inverse Universe

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



35.4300, 19.9410, 18.5730



38.6260, 31.4930, 29.4850



47.0730, -11.4120, -24.4680



31.1250, 1.1460, 1.2580



35.1590, 40.4780, 37.3580



81.3400, 93.0580, 86.6740

Previews

White Background



This preview shows how the YIQ color 29.7510, -2.8920, 19.3800 looks on a white background.

Color Contrast Check

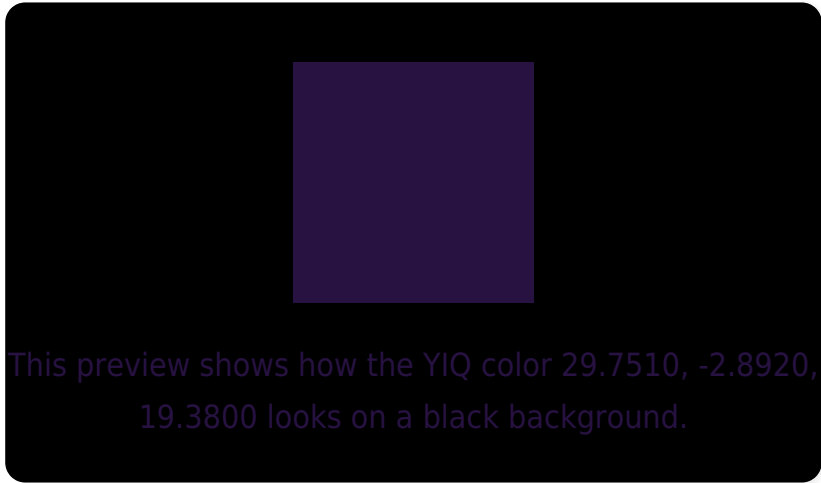
Large Text (above 18pt) WCAG AA ✓ Pass

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

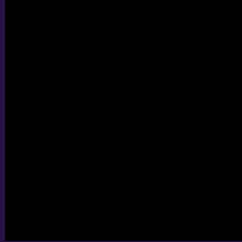
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 29.7510, -2.8920, 19.3800

Background



This preview shows how black text looks on a background with the YIQ color 29.7510, -2.8920, 19.3800.



This preview shows how white text looks on a background with the YIQ color 29.7510, -2.8920,

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

29.7510, -2.8920, 19.3800

Protanopia

24.0910, -27.8770, 4.1150

Deuteranopia

24.3530, -25.8590, 0.5810



Tritanopia

30.5270, -0.0460, 0.8340

Trichromacy



Original Color

29.7510, -2.8920, 19.3800

Protanomaly

26.0430, -18.7540, 9.4860

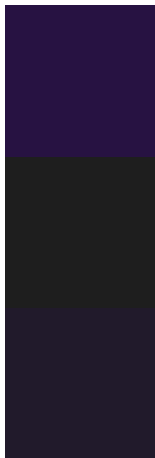
Deuteranomaly

26.0600, -17.4240, 7.4080

Tritanomaly

30.4440, -1.0100, 7.2940

Monochromacy



Original Color

29.7510, -2.8920, 19.3800

Achromatopsia

30.0000, -0.0000, -0.0000

Achromatomaly

30.0310, -1.2850, 6.7710

CSS Examples

Text

The CSS property to change the color of the text to YIQ 29.7510, -2.8920, 19.3800 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(39, 18, 66)` looks like.

```
.text, #text, p{  
    color:rgb(39, 18, 66)  
}
```

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(39, 18, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 18, 66) }
```

Border

The CSS property to change the border of an element to YIQ 29.7510, -2.8920, 19.3800 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(39, 18, 66) }
```


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

```
.border{ border-color:rgb(39, 18, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 18, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 18, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 18, 66);  
box-shadow:4px 4px 4px 4px rgb(39, 18, 66)  
}
```

Background

The CSS property to change the background color of an element to YIQ 29.7510, -2.8920, 19.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 18, 66) }
```

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

```
.background{ background-color: rgb(39, 18,  
66) }
```

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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