

Converting Colors

YIQ(48.2910, 13.3830, 27.2950)

Have a look what the booklet for
YIQ(48.2910, 13.3830, 27.2950)
contains.

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Color

**YIQ(48.2910, 13.3830,
27.2950)**

Conversions

Conversions Part 1

Format	Color
Hex	4E1B50
RGB	78, 27, 80
RGB Percent	31%, 11%, 31%
CMY	0.6940, 0.8942, 0.6863
CMYK	0.02, 0.66, 0.00, 0.69
HSL	298°, 50%, 21%
HSV	298°, 66%, 31%
XYZ	4.9846, 2.9835, 7.9032
YIQ	48.2910, 13.3830, 27.2950

Conversions

Conversions Part 2

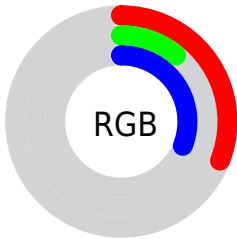
Format	Color
RYB	78, 27, 80
Decimal	5118800
CIELab	19.98, 32.08, -21.40
CIElCh	20, 38.560, 326.296
Yxy	2.9835, 0.3141, 0.1880
Android (android.graphics.Color)	4283308880 (0xFF4E1B50)
YUV	48.2910, 15.6325, 26.0548
Hunter-Lab	17.2728, 21.2848, -15.0372




Details

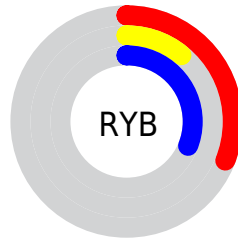
The YIQ color **48.2910, 13.3830, 27.2950** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **58.7090, -13.3830, -27.2950**, and the grayscale version is **48.0000, -0.0000, 0.0000**.




A 20% lighter version of the original color is **97.4160, 14.5290, 28.5530**, and **14.8680, 9.9000, 18.8280** is the 20% darker color. If you saturate the color by 10%, you get **43.5950, 15.5830, 31.4790**, and if you desaturate by 10%, it is **52.9870, 11.1830, 23.1110**.

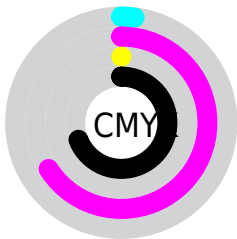
Distribution







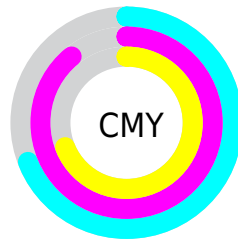
-  Red (31%)
-  Green (11%)
-  Blue (31%)






-  Red (31%)
-  Yellow (11%)
-  Blue (31%)



-  Cyan (2%)
-  Magenta (66%)
-  Yellow (0%)
-  Black (69%)



-  Cyan (69%)
-  Magenta (89%)
-  Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.2910, 13.3830, 27.2950 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 48.2910, 13.3830, 27.2950 by changing the saturation by 10% instead.

■ 48.2910, 13.3830,
27.2950

■ 48.2910, 13.3830,
27.2950

■ 255.0000, -0.0000,
-0.0000

■ 23.8180, 13.3370,
28.1290

■ 97.4160, 14.5290,
28.5530

■ 14.8680, 9.9000,
18.8280

■ 122.5410, 15.6750,
29.8110

■ 1.1400, -3.2100,
3.1100

■ 148.9540, 15.9500,
30.3340

■ 0.0000, 0.0000,
0.0000

■ 175.6660, 16.8210,
31.0690

■ 203.4920, 17.3710,
32.1150

■ 226.2370, 13.4750,

25.6270

243.2600, 5.5000,
10.4600

48.2910, 13.3830,
27.2950

48.2910, 13.3830,
27.2950

43.5950, 15.5830,
31.4790

52.9870, 11.1830,
23.1110

38.6000, 17.1870,
35.4510

57.9820, 9.5790,
19.1390

33.9040, 19.3870,
39.6350

62.6780, 7.3790,
14.9550

32.1430, 20.2120,
41.2040

67.3740, 5.1790,
10.7710

72.3690, 3.5750,
6.7990

■ 77.0650, 1.3750,
2.6150

■ 81.7610, -0.8250,
-1.5690

■ 86.4570, -3.0250,
-5.7530

■ 91.4520, -4.6290,
-9.7250

Harmonies

Analogous

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



47.0030, -21.2770, 16.6670



48.2910, 13.3830, 27.2950



42.0780, 36.0320, 29.8240

Triad

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



48.2910, 13.3830, 27.2950



46.1380, 25.4940, -10.4900



43.5420, -39.9330, -8.6770

Complementary

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



48.2910, 13.3830, 27.2950



58.7090, -13.3830, -27.2950

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.



40.2360, -30.6240, -17.6960



48.2910, 13.3830, 27.2950



42.7610, 7.2020, -20.3980

Square

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



48.2910, 13.3830, 27.2950



44.4870, 40.9890, 0.5490



35.6420, -20.4440, -25.9800



45.4630, -46.7200, -1.3120

Rectangle

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



48.2910, 13.3830, 27.2950



41.0970, 43.0480, 23.8160



35.6420, -20.4440, -25.9800



42.9890, -36.9980, -12.3100

Sweetspot

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



48.2910, 13.3830, 27.2950



92.3740, 5.1790, 10.7710



34.8030, -17.8380, 14.9140



46.0700, 2.9790, 6.5870



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.



48.2910, 13.3830, 27.2950



54.4960, 20.7160, 43.0840



46.1530, 22.2790, 20.2550



38.6520, 1.1000, 2.0920



42.1690, 26.4910, 54.0670



93.1250, 58.4360, 119.4280

Inverse Universe

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



43.0750, 30.9460, 11.8580



46.4580, 49.1010, 18.7410



60.8470, -22.2790, -20.2550



38.1960, 2.3840, 0.8480



31.8510, 61.2960, 23.5040



70.3940, 135.3830, 51.9830

Previews

White Background



This preview shows how the YIQ color 48.2910, 13.3830, 27.2950 looks on a white background.

Color Contrast Check

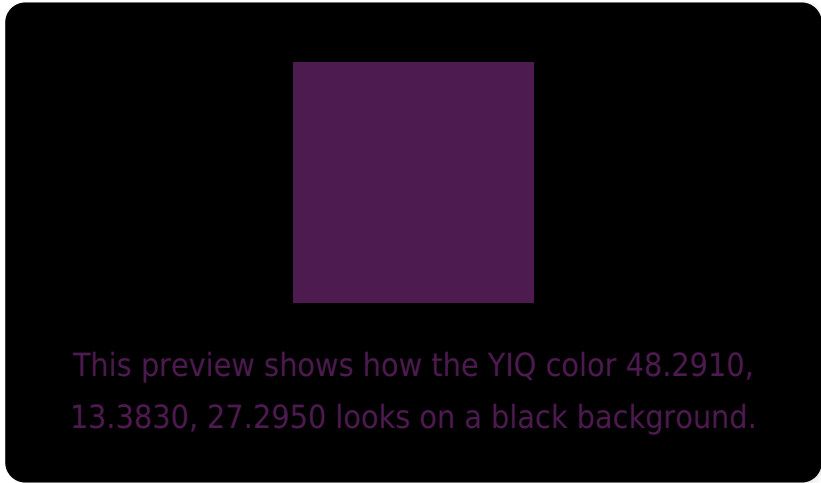
Large Text (above 18pt) WCAG AA ✓ Pass

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

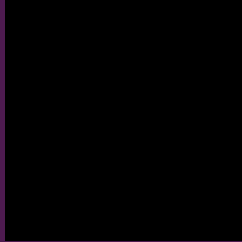
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.2910, 13.3830, 27.2950

Background



This preview shows how black text looks on a background with the YIQ color 48.2910, 13.3830, 27.2950.



This preview shows how white text looks on a background with the YIQ color 48.2910, 13.3830,

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

48.2910, 13.3830, 27.2950

Protanopia

43.4630, -37.5520, 8.7520

Deuteranopia

48.1910, -16.4150, 5.6410



Tritanopia

49.5080, 19.3010, 8.1410

Trichromacy



Original Color

48.2910, 13.3830, 27.2950

Protanomaly

45.1450, -18.8010, 15.8470

Deuteranomaly

48.0940, -5.5960, 13.3160

Tritanomaly

49.3540, 17.0990, 15.0110

Monochromacy



Original Color

48.2910, 13.3830, 27.2950

Achromatopsia

48.0000, -0.0000, 0.0000

Achromatomaly

47.9610, 4.9040, 10.2480

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.2910, 13.3830, 27.2950 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(78, 27, 80)` looks like.

```
.text, #text, p{  
    color:rgb(78, 27, 80)  
}
```

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(78, 27, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 27, 80) }
```

Border

The CSS property to change the border of an element to YIQ 48.2910, 13.3830, 27.2950 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(78, 27, 80) }
```


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

```
.border{ border-color:rgb(78, 27, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 27, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 27, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 27, 80);  
box-shadow:4px 4px 4px 4px rgb(78, 27, 80)  
}
```

Background

The CSS property to change the background color of an element to YIQ 48.2910, 13.3830, 27.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 27, 80) }
```

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

```
.background{ background-color: rgb(78, 27,  
80) }
```

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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