

Converting Colors

YIQ(78.2490, -31.4980, -1.8500)

Have a look what the booklet for
YIQ(78.2490, -31.4980, -1.8500)
contains.

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Color

**YIQ(78.2490, -31.4980,
-1.8500)**

Conversions

Conversions Part 1

Format	Color
Hex	2F586E
RGB	47, 88, 110
RGB Percent	18%, 35%, 43%
CMY	0.8158, 0.6548, 0.5688
CMYK	0.57, 0.20, 0.00, 0.57
HSL	201°, 40%, 31%
HSV	201°, 57%, 43%
XYZ	7.4749, 8.7111, 16.0290
YIQ	78.2490, -31.4980, -1.8500

Conversions

Conversions Part 2

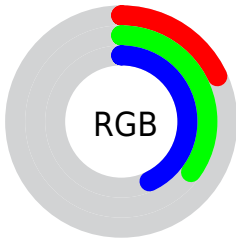
Format	Color
R_{YB}	47, 72, 110
Decimal	3102830
CIE _{Lab}	35.42, -7.43, -16.94
CIE _{LCh}	35, 18.501, 246.333
Yxy	8.7111, 0.2320, 0.2704
Android (android.graphics.Color)	4281292910 (0xFF2F586E)
YUV	78.2490, 15.6532, -27.4054
Hunter-Lab	29.5146, -6.4432, -11.5393




Details

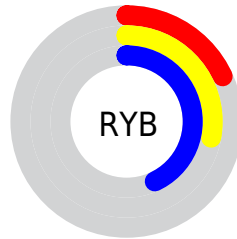
The YIQ color **78.2490, -31.4980, -1.8500** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **78.7510, 31.4980, 1.8500**, and the grayscale version is **78.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **128.7760, -31.5440, -1.0160**, and **32.3090, -31.7270, -3.2070** is the 20% darker color. If you saturate the color by 10%, you get **72.6120, -36.9540, -2.0900**, and if you desaturate by 10%, it is **83.8860, -26.0420, -1.6100**.

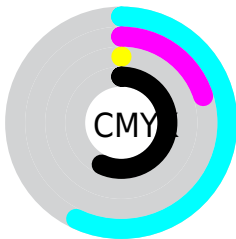
Distribution







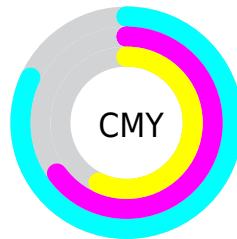
-  Red (18%)
-  Green (35%)
-  Blue (43%)






-  Red (18%)
-  Yellow (28%)
-  Blue (43%)



-  Cyan (57%)
-  Magenta (20%)
-  Yellow (0%)
-  Black (57%)



-  Cyan (82%)
-  Magenta (65%)
-  Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 78.2490, -31.4980, -1.8500 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 78.2490, -31.4980, -1.8500 by changing the saturation by 10% instead.

■ 78.2490, -31.4980,
-1.8500

■ 78.2490, -31.4980,
-1.8500

■ 255.0000, -0.0000,
-0.0000

■ 53.6400, -34.1570,
-3.2210

■ 128.7760,
-31.5440, -1.0160

■ 32.3090, -31.7270,
-3.2070

■ 154.8900,
-31.8650, -0.7050

■ 18.0610, -19.1650,
0.4110

■ 181.8900,
-31.8650, -0.7050

■ 2.7530, -6.3740,
5.3860

■ 210.0040,
-32.1860, -0.3940

■ 0.0000, 0.0000,
0.0000

■ 236.5390,
-26.6830, -6.5150

■ 249.3190,

-11.3240, -4.0280

■ 78.2490, -31.4980,
-1.8500

■ 78.2490, -31.4980,
-1.8500

■ 72.6120, -36.9540,
-2.0900

■ 83.8860, -26.0420,
-1.6100

■ 66.9750, -42.4100,
-2.3300

■ 89.5230, -20.5860,
-1.3700

■ 61.9250, -48.1410,
-3.0930

■ 95.1600, -15.1300,
-1.1300

■ 56.2880, -53.5970,
-3.3330

■ 100.2100, -9.3990,
-0.3670

■ 54.8040, -55.1100,
-3.4460

■ 105.8470, -3.9430,
-0.1270

■ 111.4840, 1.5130,
0.1130

■ 117.1210, 6.9690,
0.3530

■ 122.7580, 12.4250,
0.5930

■ 128.3950, 17.8810,
0.8330

Harmonies

Analogous

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



75.2820, -36.2650, -9.0730



78.2490, -31.4980, -1.8500



82.4080, -18.5240, 5.3160

Triad

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



78.2490, -31.4980, -1.8500



84.9860, 20.9510, 11.2790



80.5080, 0.9650, -11.9870

Complementary

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



78.2490, -31.4980, -1.8500



78.7510, 31.4980, 1.8500

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.



82.0860, 14.0770, -7.3230



78.2490, -31.4980, -1.8500



84.2650, 24.2990, 5.6670

Square

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



78.2490, -31.4980, -1.8500



85.6630, 11.7350, 13.1030



83.3800, 22.2370, -1.0190



77.9670, -13.5690, -12.9050

Rectangle

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



78.2490, -31.4980, -1.8500



84.3170, -7.8420, 9.9660



83.3800, 22.2370, -1.0190



80.7860, 6.0540, -10.6020

Sweetspot

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



78.2490, -31.4980, -1.8500



130.5410, -11.8290, -0.3810



86.3750, -24.0660, -26.4180



63.8790, -6.9690, -0.3530



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000

Same Dimension

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



78.2490, -31.4980, -1.8500



92.8540, -49.3790, -2.6830



60.0520, -22.9730, 14.3630



53.0320, -3.0260, -0.2260



59.4660, -59.9700, -3.4740



122.6650, -123.5620, -7.3860

Inverse Universe

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



70.5110, 24.3870, 26.1070



80.8970, 38.4600, 40.8920



96.3610, 23.2480, -13.8400



52.2500, 2.2920, 2.5160



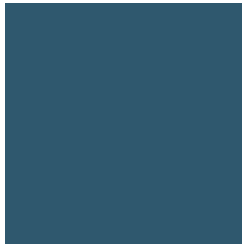
44.7720, 46.4820, 49.6980



92.2070, 95.5310, 102.4350

Previews

White Background



This preview shows how the YIQ color 78.2490, -31.4980, -1.8500 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



This preview shows how the YIQ color 78.2490, -31.4980, -1.8500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

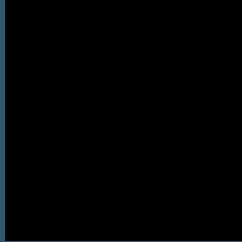
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 78.2490, -31.4980, -1.8500

Background



This preview shows how black text looks on a background with the YIQ color 78.2490, -31.4980, -1.8500.



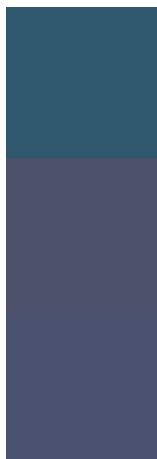
This preview shows how white text looks on a background with the YIQ color 78.2490, -31.4980,

-1.8500.

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

78.2490, -31.4980, -1.8500

Protanopia

83.2410, -10.6840, 6.4040

Deuteranopia

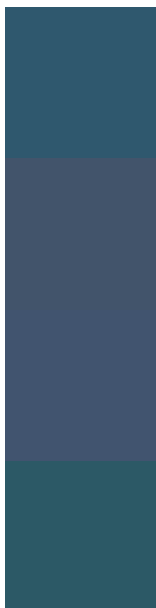
83.2130, -13.4810, 7.5350



Tritanopia

76.5600, -31.1760, -7.6880

Trichromacy



Original Color

78.2490, -31.4980, -1.8500

Protanomaly

81.2400, -18.1110, 3.3370

Deuteranomaly

81.3970, -19.9910, 4.3690

Tritanomaly

77.0270, -30.9930, -5.4970

Monochromacy



Original Color

78.2490, -31.4980, -1.8500

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

78.4270, -11.5080, -0.6920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 78.2490, -31.4980, -1.8500 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(47, 88, 110)` looks like.

```
.text, #text, p{  
    color:rgb(47, 88, 110)  
}
```

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(47, 88, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 88, 110) }
```

Border

The CSS property to change the border of an element to YIQ 78.2490, -31.4980, -1.8500 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(47, 88, 110) }
```


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

```
.border{ border-color:rgb(47, 88, 110) }
```

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

Here you see how a box with a 4 pixel rgb(47, 88, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 88, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 88, 110);  
box-shadow:4px 4px 4px 4px rgb(47, 88,  
110) }
```

Background

The CSS property to change the background color of an element to YIQ 78.2490, -31.4980, -1.8500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 88, 110) }
```

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

```
.background{ background-color: rgb(47, 88,  
110) }
```

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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