

Converting Colors

YIQ(78.8510, -17.7930, 19.6070)

Have a look what the booklet for
YIQ(78.8510, -17.7930, 19.6070)
contains.

YIQ(78.8510, -17.7930, 19.6070)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(78.8510, -17.7930,
19.6070)**

Conversions

Conversions Part 1

Format	Color
Hex	4A4784
RGB	74, 71, 132
RGB Percent	29%, 28%, 52%
CMY	0.7097, 0.7216, 0.4825
CMYK	0.44, 0.46, 0.00, 0.48
HSL	243°, 30%, 40%
HSV	243°, 46%, 52%
XYZ	9.2409, 7.6278, 22.8043
YIQ	78.8510, -17.7930, 19.6070

Conversions

Conversions Part 2

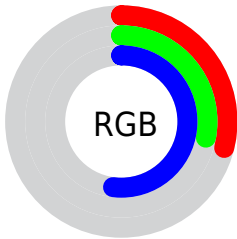
Format	Color
R _Y B	74, 71, 132
Decimal	4867972
CIE Lab	33.20, 17.86, -33.95
CIE LCh	33, 38.365, 297.750
Yxy	7.6278, 0.2329, 0.1923
Android (android.graphics.Color)	4283058052 (0xFF4A4784)
YUV	78.8510, 26.2025, -4.2543
Hunter-Lab	27.6184, 11.3925, -29.6224

Details

The YIQ color **78.8510, -17.7930, 19.6070** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **124.1490, 17.7930, -19.6070**, and the grayscale version is **79.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **128.7310, -17.3350, 22.3210**, and **32.3620, -20.9100, 15.5220** is the 20% darker color. If you saturate the color by 10%, you get **67.3330, -21.9660, 23.6500**, and if you desaturate by 10%, it is **90.3690, -13.6200, 15.5640**.

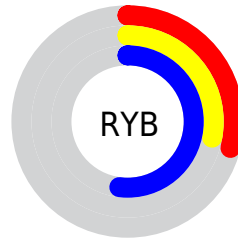
Distribution



Red (29%)

Green (28%)

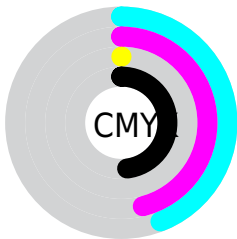
Blue (52%)



Red (29%)

Yellow (28%)

Blue (52%)

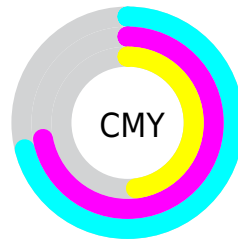


Cyan (44%)

Magenta (46%)

Yellow (0%)

Black (48%)



Cyan (71%)

Magenta (72%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 78.8510, -17.7930, 19.6070 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 78.8510, -17.7930, 19.6070 by changing the saturation by 10% instead.

■ 78.8510, -17.7930,
19.6070

■ 78.8510, -17.7930,
19.6070

■ 255.0000, -0.0000,
-0.0000

■ 55.4980, -18.2970,
17.7270

■ 128.6170,
-17.0140, 22.0100

■ 32.3620, -20.9100,
15.5220

■ 155.1440,
-17.0600, 22.8440

■ 8.4870, -19.7640,
16.7800

■ 182.3720,
-17.7020, 23.4660

■ 5.2780, -12.1060,
10.1500

■ 208.0750,
-12.6120, 19.3240

■ 1.3680, -3.8520,
3.7320

■ 233.1820, -3.0280,
10.8280

■ 0.0000, 0.0000,
0.0000

■ 78.8510, -17.7930,
19.6070

■ 78.8510, -17.7930,
19.6070

■ 67.3330, -21.9660,
23.6500

■ 90.3690, -13.6200,
15.5640

■ 56.1140, -25.5430,
27.9050

■ 101.5880,
-10.0430, 11.3090

■ 44.0090, -29.4410,
32.4710

■ 113.6930, -6.1450,
6.7430

■ 32.7900, -33.0180,
36.7260

■ 124.9120, -2.5680,
2.4880

■ 21.2720, -37.1910,
40.7690

■ 136.4300, 1.6050,
-1.5550

■ 17.1410, -38.2000,
42.5360

■ 147.6490, 5.1820,
-5.8100

■ 159.1670, 9.3550,
-9.8530

■ 170.9730, 12.6570,

-14.6310

■ 182.4910, 16.8300,
-18.6740

Harmonies

Analogous

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



63.9800, -67.1690, 0.3430



78.8510, -17.7930, 19.6070



80.4870, 15.7670, 28.1430

Triad

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



78.8510, -17.7930, 19.6070



75.8140, 44.3820, -0.3700



62.5540, -49.3750, -24.7910

Complementary

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



78.8510, -17.7930, 19.6070



124.1490, 17.7930, -19.6070

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.



64.1250, -26.3580, -28.9340



78.8510, -17.7930, 19.6070



74.4560, 33.1060, -16.2860

Square

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



78.8510, -17.7930, 19.6070



76.5070, 47.4050, 16.4370



71.7950, 9.8620, -24.5540



65.9740, -59.0050, -15.4610

Rectangle

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



78.8510, -17.7930, 19.6070



78.3980, 32.1350, 28.8630



71.7950, 9.8620, -24.5540



61.3000, -45.8440, -28.2120

Sweetspot

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



78.8510, -17.7930, 19.6070



150.0350, -7.1080, 7.6760



112.5870, -35.8060, -11.8860



74.0090, -4.2190, 4.8770



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000

Same Dimension

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



78.8510, -17.7930, 19.6070



89.2110, -27.1940, 30.2940



87.8210, 0.0870, 25.9670



60.6840, -1.9260, 1.8660



16.6140, -38.1540, 41.7020



0.3420, -0.9630, 0.9330

Inverse Universe

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



95.8510, 17.7380, 30.9700



115.2520, 27.4550, 47.6070



115.1790, -0.0870, -25.9670



62.4780, 1.6500, 3.1380



53.0060, 37.6760, 66.1240



1.1250, 1.1460, 1.2580

Previews

White Background



This preview shows how the YIQ color 78.8510, -17.7930, 19.6070 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 78.8510, -17.7930, 19.6070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

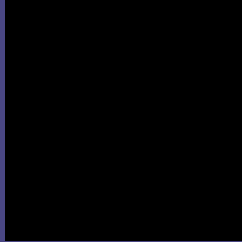
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 78.8510, -17.7930, 19.6070

Background



This preview shows how black text looks on a background with the YIQ color 78.8510, -17.7930, 19.6070.



This preview shows how white text looks on a background with the YIQ color 78.8510, -17.7930,

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

78.8510, -17.7930, 19.6070

Protanopia

75.1800, -35.0770, 13.4590

Deuteranopia

74.0500, -37.8270, 8.2290



Tritanopia

76.1170, -13.5710, -1.8510

Trichromacy



Original Color

78.8510, -17.7930, 19.6070

Protanomaly

76.4690, -28.5210, 15.7910

Deuteranomaly

75.6920, -30.7670, 12.4410

Tritanomaly

76.7890, -15.2230, 6.0650

Monochromacy



Original Color

78.8510, -17.7930, 19.6070

Achromatopsia

79.0000, -0.0000, 0.0000

Achromatomaly

78.8070, -6.4660, 7.0540

CSS Examples

Text

The CSS property to change the color of the text to YIQ 78.8510, -17.7930, 19.6070 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(74, 71, 132)` looks like.

```
.text, #text, p{  
    color:rgb(74, 71, 132)  
}
```

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(74, 71, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 71, 132) }
```

Border

The CSS property to change the border of an element to YIQ 78.8510, -17.7930, 19.6070 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(74, 71, 132) }
```


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

```
.border{ border-color:rgb(74, 71, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 71, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 71, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 71, 132);  
box-shadow:4px 4px 4px 4px rgb(74, 71,  
132) }
```

Background

The CSS property to change the background color of an element to YIQ 78.8510, -17.7930, 19.6070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 71, 132) }
```

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

```
.background{ background-color: rgb(74, 71,  
132) }
```

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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