

Converting Colors

YIQ(99.8160, -19.8530, 1.8670)

Have a look what the booklet for
YIQ(99.8160, -19.8530, 1.8670)
contains.

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Color

**YIQ(99.8160, -19.8530,
1.8670)**

Conversions

Conversions Part 1

Format	Color
Hex	52687D
RGB	82, 104, 125
RGB Percent	32%, 41%, 49%
CMY	0.6785, 0.5921, 0.5099
CMYK	0.34, 0.17, 0.00, 0.51
HSL	209°, 21%, 41%
HSV	209°, 34%, 49%
XYZ	12.1302, 13.1759, 21.2978
YIQ	99.8160, -19.8530, 1.8670

Conversions

Conversions Part 2

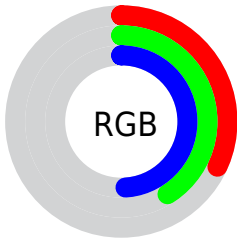
Format	Color
R _Y B	82, 97, 125
Decimal	5400701
CIE Lab	43.03, -2.69, -14.33
CIE LCh	43, 14.577, 259.362
Yxy	13.1759, 0.2603, 0.2827
Android (android.graphics.Color)	4283590781 (0xFF52687D)
YUV	99.8160, 12.4157, -15.6246
Hunter-Lab	36.2987, -3.8721, -9.3786

Details

The YIQ color **99.8160, -19.8530, 1.8670** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **107.1840, 19.8530, -1.8670**, and the grayscale version is **100.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **151.0440, -20.4950, 2.4890**, and **52.2890, -19.8070, 1.0330** is the 20% darker color. If you saturate the color by 10%, you get **92.4070, -25.9510, 2.2490**, and if you desaturate by 10%, it is **106.9260, -14.3510, 1.2730**.

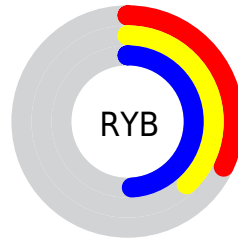
Distribution



Red (32%)

Green (41%)

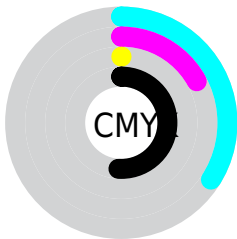
Blue (49%)



Red (32%)

Yellow (38%)

Blue (49%)

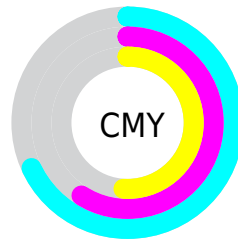


Cyan (34%)

Magenta (17%)

Yellow (0%)

Black (51%)



Cyan (68%)

Magenta (59%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 99.8160, -19.8530, 1.8670 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 99.8160, -19.8530, 1.8670 by changing the saturation by 10% instead.

■ 99.8160, -19.8530,
1.8670

■ 99.8160, -19.8530,
1.8670

■ 255.0000, -0.0000,
-0.0000

■ 75.7020, -19.5320,
1.5560

■ 151.0440,
-20.4950, 2.4890

■ 52.2890, -19.8070,
1.0330

■ 177.7450,
-21.0910, 2.2770

■ 30.1640, -20.9530,
-0.2250

■ 204.8590,
-21.4120, 2.5880

■ 11.8660, -14.1220,
2.6300

■ 232.7620,
-19.7610, 0.1990

■ 0.6840, -1.9260,
1.8660

■ 251.4120, -7.1520,
-2.5440

■ 0.0000, 0.0000,
0.0000

■ 99.8160, -19.8530,
1.8670

■ 99.8160, -19.8530,
1.8670

■ 92.4070, -25.9510,
2.2490

■ 106.9260,
-14.3510, 1.2730

■ 85.2970, -31.4530,
2.8430

■ 114.3350, -8.2530,
0.8910

■ 77.8880, -37.5510,
3.2250

■ 121.4450, -2.7510,
0.2970

■ 70.7780, -43.0530,
3.8190

■ 128.8540, 3.3470,
-0.0850

■ 63.6680, -48.5550,
4.4130

■ 135.9640, 8.8490,
-0.6790

■ 55.6720, -54.3780,
5.3180

■ 143.9600, 14.6720,
-1.5840

■ 51.8180, -57.7250,
5.4030

■ 151.0700, 20.1740,
-2.1780

■ 158.4790, 26.2720,

-2.5600

■ 165.5890, 31.7740,
-3.1540

Harmonies

Analogous

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



97.3050, -25.9040, -4.1120



99.8160, -19.8530, 1.8670



102.1380, -8.8960, 7.0400

Triad

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



99.8160, -19.8530, 1.8670



103.2800, 19.9430, 7.5190



98.6370, -3.7120, -9.8240

Complementary

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



99.8160, -19.8530, 1.8670



107.1840, 19.8530, -1.8670

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.



100.2640, 7.7040, -7.4640



99.8160, -19.8530, 1.8670



102.7050, 19.9440, 1.9920

Square

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



99.8160, -19.8530, 1.8670



103.4520, 13.7070, 10.4030



101.3900, 16.2770, -3.1390



97.1780, -15.5410, -10.2050

Rectangle

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



99.8160, -19.8530, 1.8670



102.9110, -0.8270, 9.4850



101.3900, 16.2770, -3.1390



99.4910, -0.3650, -9.9090

Sweetspot

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



99.8160, -19.8530, 1.8670



153.5200, -7.3360, 0.7920



109.6350, -18.5660, -15.9580



76.0750, -4.5850, 0.4950



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000

Same Dimension

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



99.8160, -19.8530, 1.8670



124.1830, -31.1320, 2.5320



87.4890, -14.0780, 12.8500



60.1460, -3.3470, 0.0850



52.7470, -58.9630, 5.8130



0.0000, 0.0000, 0.0000

Inverse Universe

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



97.3650, 18.5660, 15.9580



120.0230, 28.6970, 25.0890



119.5110, 14.0780, -12.8500



59.5490, 2.8880, 2.7280



45.6820, 55.4230, 47.3510



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 99.8160, -19.8530, 1.8670 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 × Fail

Black Background



This preview shows how the YIQ color 99.8160, -19.8530, 1.8670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

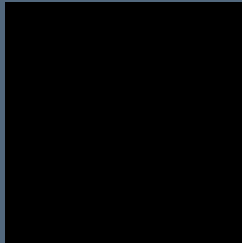
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

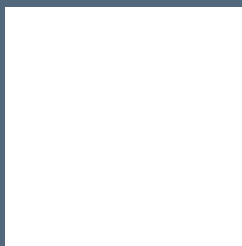
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 99.8160, -19.8530, 1.8670

Background



This preview shows how black text looks on a background with the YIQ color 99.8160, -19.8530, 1.8670.

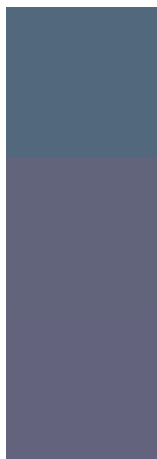


This preview shows how white text looks on a background with the YIQ color 99.8160, -19.8530,

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

99.8160, -19.8530, 1.8670

Protanopia

101.7250, -9.1710, 6.5170

Deuteranopia

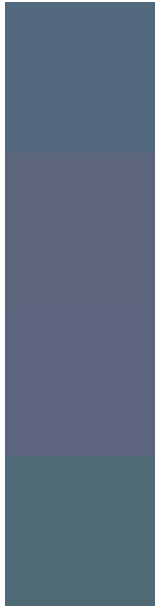
102.0780, -8.6670, 8.3970



Tritanopia

98.8390, -18.6600, -3.2360

Trichromacy



Original Color

99.8160, -19.8530, 1.8670

Protanomaly

100.9310, -12.7470, 5.2450

Deuteranomaly

101.4580, -12.7930, 6.0790

Tritanomaly

99.0070, -19.0730, -1.2570

Monochromacy



Original Color

99.8160, -19.8530, 1.8670

Achromatopsia

100.0000, -0.0000, -0.0000

Achromatomaly

99.5200, -7.3360, 0.7920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 99.8160, -19.8530, 1.8670 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(82, 104, 125)` looks like.

```
.text, #text, p{  
    color:rgb(82, 104, 125)  
}
```

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(82, 104, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 104, 125) }
```

Border

The CSS property to change the border of an element to YIQ 99.8160, -19.8530, 1.8670 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(82, 104, 125) }
```


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

```
.border{ border-color:rgb(82, 104, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 104, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 104, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 104, 125);  
box-shadow:4px 4px 4px 4px rgb(82, 104,  
125) }
```

Background

The CSS property to change the background color of an element to YIQ 99.8160, -19.8530, 1.8670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 104, 125) }
```

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

```
.background{ background-color: rgb(82, 104,  
125) }
```

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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