

Converting Colors

YIQ(196.9870, -33.5160, 1.6840)

Have a look what the booklet for
YIQ(196.9870, -33.5160, 1.6840)
contains.

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Color

**YIQ(196.9870, -33.5160,
1.6840)**

Conversions

Conversions Part 1

Format	Color
Hex	A6CDED
RGB	166, 205, 237
RGB Percent	65%, 80%, 93%
CMY	0.3491, 0.1960, 0.0707
CMYK	0.30, 0.13, 0.00, 0.07
HSL	207°, 66%, 79%
HSV	207°, 30%, 93%
XYZ	52.8374, 57.8876, 88.4785
YIQ	196.9870, -33.5160, 1.6840

Conversions

Conversions Part 2

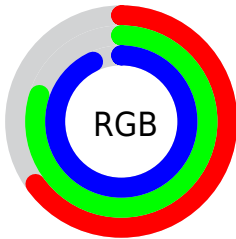
Format	Color
RYB	166, 191, 237
Decimal	10931693
CIELab	80.68, -5.59, -19.95
CIELCh	81, 20.717, 254.359
Yxy	57.8876, 0.2652, 0.2906
Android (android.graphics.Color)	4289121773 (0xFFA6CDED)
YUV	196.9870, 19.7264, -27.1756
Hunter-Lab	76.0839, -9.1852, -15.6901

Details

The YIQ color $196.9870, -33.5160, 1.6840$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $206.0130, 33.5160, -1.6840$, and the grayscale version is $197.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $245.1330, -19.6680, -6.9960$, and $142.7590, -32.8740, 1.0620$ is the 20% darker color. If you saturate the color by 10%, you get $183.3540, -44.7950, 2.3490$, and if you desaturate by 10%, it is $210.6200, -22.2370, 1.0190$.

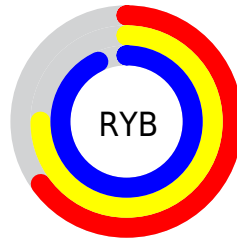
Distribution



Red (65%)

Green (80%)

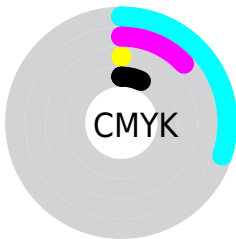
Blue (93%)



Red (65%)

Yellow (75%)

Blue (93%)

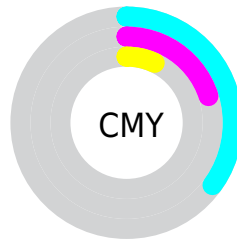


Cyan (30%)

Magenta (13%)

Yellow (0%)

Black (7%)



Cyan (35%)

Magenta (20%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 196.9870, -33.5160, 1.6840 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 196.9870, -33.5160, 1.6840 by changing the saturation by 10% instead.

■ 196.9870,
-33.5160, 1.6840

■ 196.9870,
-33.5160, 1.6840

■ 255.0000, -0.0000,
-0.0000

■ 169.8730,
-33.1950, 1.3730

■ 245.1330,
-19.6680, -6.9960

■ 142.7590,
-32.8740, 1.0620

■ 253.8040, -2.3840,
-0.8480

■ 116.6450,
-32.5530, 0.7510

■ 91.2320, -32.8280,
0.2280

■ 66.2210, -34.2950,
-0.7190

■ 40.7040, -40.2090,
-3.6730

■ 25.1680, -26.7760,

0.6800

■ 8.0990, -13.1600,
7.2240

■ 1.0260, -2.8890,
2.7990

■ 196.9870,
-33.5160, 1.6840

■ 196.9870,
-33.5160, 1.6840

■ 183.3540,
-44.7950, 2.3490

■ 210.6200,
-22.2370, 1.0190

■ 170.6070,
-55.7530, 2.7030

■ 223.3670,
-11.2790, 0.6650

■ 156.9740,
-67.0320, 3.3680

■ 237.0000, -0.0000,
-0.0000

■ 143.3410,
-78.3110, 4.0330

■ 248.8390, 7.7030,
-1.9370

■ 130.5940,
-89.2690, 4.3870

■ 252.9480, 5.7780,
-5.5980

■ 116.9610,
-100.5480, 5.0520

■ 103.3280,
-111.8270, 5.7170

Harmonies

Analogous

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



193.9980, -41.2170, -7.4330



196.9870, -33.5160, 1.6840



200.6410, -17.5620, 9.9100

Triad

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



196.9870, -33.5160, 1.6840



203.6020, 30.9000, 12.6920



195.8340, -3.0690, -15.9730

Complementary

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



196.9870, -33.5160, 1.6840



206.0130, 33.5160, -1.6840

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.



198.7500, 14.9030, -11.2810



196.9870, -33.5160, 1.6840



202.2290, 33.1480, 4.9880

Square

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



196.9870, -33.5160, 1.6840



204.0770, 19.4370, 16.6930



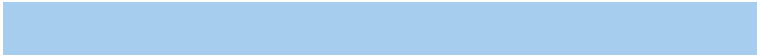
200.9090, 27.8770, -4.1150



194.1400, -21.5460, -17.0180

Rectangle

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



196.9870, -33.5160, 1.6840



202.2190, -4.4500, 14.5740



200.9090, 27.8770, -4.1150



197.1830, 3.2580, -14.9980

Sweetspot

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



196.9870, -33.5160, 1.6840



242.2530, -10.9580, 0.3540



211.3250, -29.7970, -27.1810



119.4060, -7.0150, 0.4810



0.0000, 0.0000, 0.0000



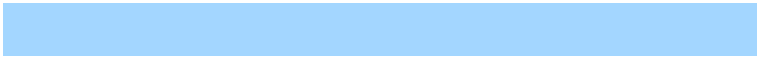
128.0000, -0.0000, -0.0000

Same Dimension

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



196.9870, -33.5160, 1.6840



203.4250, -43.5570, 1.9390



176.4420, -23.8910, 19.9890



110.7760, -5.1810, 0.2830



79.3340, -85.6010, 3.9910



23.1790, -25.3090, 1.6270

Inverse Universe

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



191.6750, 29.7970, 27.1810



196.3220, 38.4610, 35.3650



226.5580, 23.8910, -19.9890



109.9730, 4.6300, 4.1980



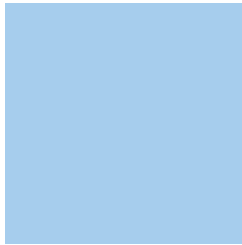
65.5190, 75.7760, 69.4720



19.4520, 22.8750, 20.4670

Previews

White Background



This preview shows how the YIQ color 196.9870, -33.5160, 1.6840 looks on a white background.

Color Contrast Check

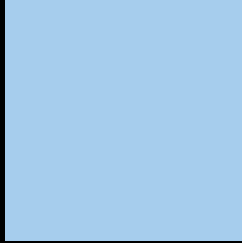
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 196.9870, -33.5160, 1.6840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

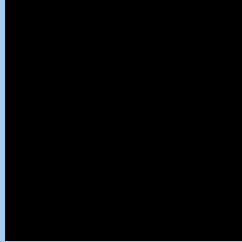
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 196.9870, -33.5160, 1.6840

Background



This preview shows how black text looks on a background with the YIQ color 196.9870, -33.5160, 1.6840.



This preview shows how white text looks on a background with the YIQ color 196.9870, -33.5160,

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

196.9870, -33.5160, 1.6840

Protanopia

200.3810, -13.8940, 9.5140

Deuteranopia

201.5110, -11.1440, 14.7440



Tritanopia

195.7820, -31.6810, -4.0410

Trichromacy



Original Color

196.9870, -33.5160, 1.6840

Protanomaly

199.3800, -21.3210, 6.4470

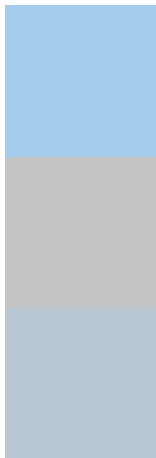
Deuteranomaly

200.1570, -19.0750, 9.7970

Tritanomaly

196.0640, -32.4150, -1.7510

Monochromacy



Original Color

196.9870, -33.5160, 1.6840

Achromatopsia

197.0000, -0.0000, -0.0000

Achromatomaly

197.1820, -12.1960, 0.7640

CSS Examples

Text

The CSS property to change the color of the text to YIQ 196.9870, -33.5160, 1.6840 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(166, 205, 237)` looks like.

```
.text, #text, p{  
    color:rgb(166, 205, 237)  
}
```

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(166, 205, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 205, 237) }
```

Border

The CSS property to change the border of an element to YIQ 196.9870, -33.5160, 1.6840 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(166, 205, 237) }
```


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

```
.border{ border-color:rgb(166, 205, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 205, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 205, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 205, 237);  
box-shadow:4px 4px 4px 4px rgb(166, 205,  
237) }
```

Background

The CSS property to change the background color of an element to YIQ 196.9870, -33.5160, 1.6840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 205, 237) }
```

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

```
.background{ background-color: rgb(166,  
205, 237) }
```

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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