

Converting Colors

YIQ(199.9800, -31.6380,
11.7060)

Have a look what the booklet for
YIQ(199.9800, -31.6380, 11.7060)
contains.

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Color

**YIQ(199.9800, -31.6380,
11.7060)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C9FF
RGB	177, 201, 255
RGB Percent	69%, 79%, 100%
CMY	0.3059, 0.2117, 0.0002
CMYK	0.31, 0.21, 0.00, 0.00
HSL	222°, 100%, 85%
HSV	222°, 31%, 100%
XYZ	57.0623, 58.3417, 102.8253
YIQ	199.9800, -31.6380, 11.7060

Conversions

Conversions Part 2

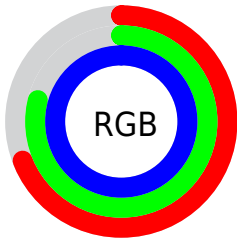
Format	Color
R_{YB}	177, 195, 255
Decimal	11651583
CIE _{Lab}	80.93, 4.01, -29.10
CIE _{LCh}	81, 29.376, 277.837
Yxy	58.3417, 0.2615, 0.2673
Android (android.graphics.Color)	4289841663 (0xFFB1C9FF)
YUV	199.9800, 27.1249, -20.1535
Hunter-Lab	76.3818, -0.3167, -26.3491

Details

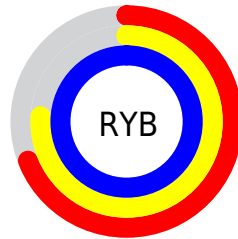
The YIQ color **199.9800, -31.6380, 11.7060** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **232.0200, 31.6380, -11.7060**, and the grayscale version is **200.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **248.7210, -12.5160, -4.4520**, and **145.3390, -31.2710, 10.5610** is the 20% darker color. If you saturate the color by 10%, you get **181.9390, -41.5880, 15.8200**, and if you desaturate by 10%, it is **218.0210, -21.6880, 7.5920**.

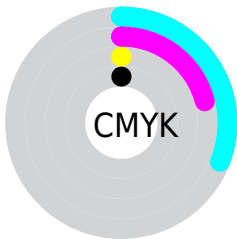
Distribution



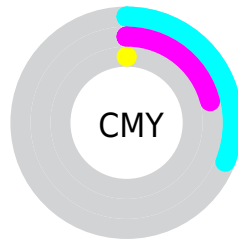
- Red (69%)
- Green (79%)
- Blue (100%)



- Red (69%)
- Yellow (76%)
- Blue (100%)



- Cyan (31%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 199.9800, -31.6380, 11.7060 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 199.9800, -31.6380, 11.7060 by changing the saturation by 10% instead.

■ 199.9800,
-31.6380, 11.7060

■ 199.9800,
-31.6380, 11.7060

■ 255.0000, -0.0000,
-0.0000

■ 172.4530,
-31.5920, 10.8720

■ 248.7210,
-12.5160, -4.4520

■ 145.3390,
-31.2710, 10.5610

■ 119.8120,
-31.2250, 9.7270

■ 94.2850, -31.1790,
8.8930

■ 69.1600, -32.3250,
7.6350

■ 43.8280, -37.3220,
4.5820

■ 25.4760, -30.3990,

5.7690

■ 7.7060, -16.1870,
12.5250

■ 3.4370, -8.3000,
7.2520

■ 199.9800,
-31.6380, 11.7060

■ 199.9800,
-31.6380, 11.7060

■ 181.9390,
-41.5880, 15.8200

■ 218.0210,
-21.6880, 7.5920

■ 164.1860,
-52.4090, 19.1990

■ 235.7740,
-10.8670, 4.2130

■ 146.1450,
-62.3590, 23.3130

■ 253.8150, -0.9170,
0.0990

■ 127.8050,
-72.9050, 27.2150

■ 255.0000, -0.0000,
-0.0000

■ 110.3510,
-83.1300, 30.8060

■ 92.0110, -93.6760,
34.7080

■ 75.4430,
-103.5800, 37.9880

Harmonies

Analogous

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



193.1570, -54.6060, -1.5660



199.9800, -31.6380, 11.7060



203.9190, -3.3050, 21.3590

Triad

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



199.9800, -31.6380, 11.7060



203.1060, 46.8560, 9.8640



192.0590, -25.9920, -24.5520

Complementary

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



199.9800, -31.6380, 11.7060



232.0200, 31.6380, -11.7060

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.



195.2980, 1.1960, -21.6840



199.9800, -31.6380, 11.7060



201.3790, 41.1730, -2.7870

Square

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



199.9800, -31.6380, 11.7060



204.7220, 39.6100, 20.0420



198.6170, 25.4030, -14.3490



188.0640, -50.7510, -21.8790

Rectangle

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



199.9800, -31.6380, 11.7060



205.4820, 14.1630, 24.1710



198.6170, 25.4030, -14.3490



192.9630, -16.9140, -23.8740

Sweetspot

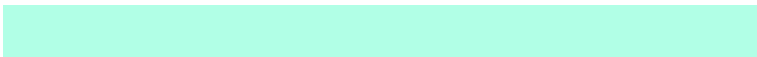
The Sweet Spot groups the original color and five complimentary colors.



199.9800, -31.6380, 11.7060



238.7310, -9.3080, 3.4920



228.8280, -38.4630, -24.3110



117.6450, -6.1900, 2.0500



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.



199.9800, -31.6380, 11.7060



188.7390, -38.1490, 14.0670



190.0780, -16.6940, 27.2260



118.8300, -5.2730, 1.9510



56.4070, -77.5360, 28.5440



19.0360, -26.0440, 9.4440

Inverse Universe

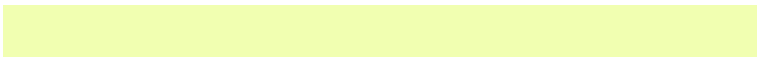
The Inverse Universe completely reimagines the original color for something new.



203.0580, 38.7840, 24.0000



192.4120, 46.7150, 28.9470



241.9220, 16.6940, -27.2260



119.3430, 6.4640, 4.0000



63.8350, 94.8970, 58.8410



21.4160, 31.7240, 19.7880

Previews

White Background



This preview shows how the YIQ color 199.9800, -31.6380, 11.7060 looks on a white background.

Color Contrast Check

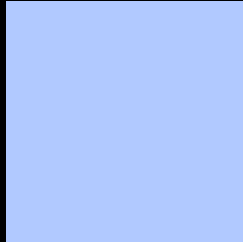
Large Text (above 18pt) WCAG AA × Fail

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 199.9800, -31.6380, 11.7060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

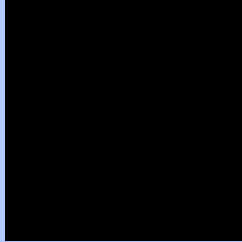
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 199.9800, -31.6380, 11.7060

Background



This preview shows how black text looks on a background with the YIQ color 199.9800, -31.6380, 11.7060.



This preview shows how white text looks on a background with the YIQ color 199.9800, -31.6380, 11.7060.

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

199.9800, -31.6380, 11.7060

Protanopia

200.9810, -24.2110, 14.7730

Deuteranopia

201.8180, -22.1940, 16.7660



Tritanopia

197.7610, -27.1880, -2.8680

Trichromacy



Original Color

199.9800, -31.6380, 11.7060

Protanomaly

200.4860, -27.1910, 13.7130

Deuteranomaly

200.9100, -25.4490, 15.1830

Tritanomaly

198.8520, -28.7020, 2.5460

Monochromacy



Original Color

199.9800, -31.6380, 11.7060

Achromatopsia

200.0000, -0.0000, -0.0000

Achromatomaly

199.8880, -11.1880, 4.5240

CSS Examples

Text

The CSS property to change the color of the text to YIQ 199.9800, -31.6380, 11.7060 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(177, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 201, 255)  
}
```

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(177, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 201, 255) }
```

Border

The CSS property to change the border of an element to YIQ 199.9800, -31.6380, 11.7060 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(177, 201, 255) }
```


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

```
.border{ border-color:rgb(177, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 201,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 199.9800, -31.6380, 11.7060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 201, 255) }
```

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

```
.background{ background-color: rgb(177,  
201, 255) }
```

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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