

# Converting Colors

YIQ(198.2550, -22.4670, 5.1890)

Have a look what the booklet for  
YIQ(198.2550, -22.4670, 5.1890)  
contains.

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# Color

**YIQ(198.2550, -22.4670,  
5.1890)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B4C9E8
RGB	180, 201, 232
RGB Percent	71%, 79%, 91%
CMY	0.2941, 0.2117, 0.0903
CMYK	0.22, 0.13, 0.00, 0.09
HSL	216°, 53%, 81%
HSV	216°, 22%, 91%
XYZ	54.2707, 57.3044, 84.5229
YIQ	198.2550, -22.4670, 5.1890

# Conversions

## Conversions Part 2

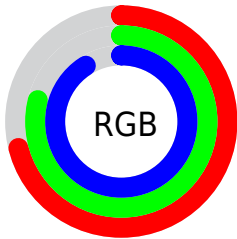
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	180, 195, 232
Decimal	11848168
CIE Lab	80.35, -0.50, -17.69
CIE LCh	80, 17.695, 268.390
Yxy	57.3044, 0.2768, 0.2922
Android (android.graphics.Color)	4290038248 (0xFFB4C9E8)
YUV	198.2550, 16.6363, -16.0096
Hunter-Lab	75.6996, -4.5039, -13.2109

# Details

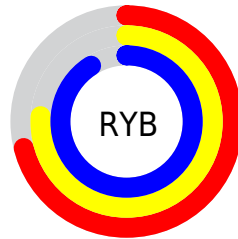
The YIQ color  $198.2550, -22.4670, 5.1890$  is a light color, and the websafe version is hex  $99CCFF$ . A complement of this color would be  $213.7450, 22.4670, -5.1890$ , and the grayscale version is  $198.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $249.3190, -11.3240, -4.0280$ , and  $144.0270, -21.8250, 4.5670$  is the 20% darker color. If you saturate the color by 10%, you get  $183.1600, -32.3250, 7.6350$ , and if you desaturate by 10%, it is  $213.3500, -12.6090, 2.7430$ .

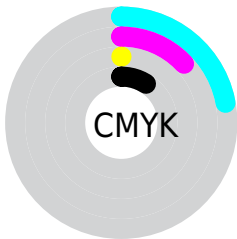
# Distribution



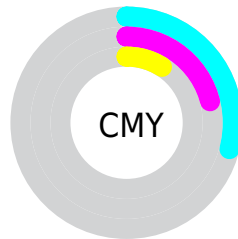
- Red (71%)
- Green (79%)
- Blue (91%)



- Red (71%)
- Yellow (76%)
- Blue (91%)



- Cyan (22%)
- Magenta (13%)
- Yellow (0%)
- Black (9%)



- Cyan (29%)
- Magenta (21%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 198.2550, -22.4670, 5.1890 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 198.2550, -22.4670, 5.1890 by changing the saturation by 10% instead.



■ 198.2550,  
-22.4670, 5.1890

■ 198.2550,  
-22.4670, 5.1890

■ 255.0000, -0.0000,  
-0.0000

■ 171.1410,  
-22.1460, 4.8780

■ 249.3190,  
-11.3240, -4.0280

■ 144.0270,  
-21.8250, 4.5670

■ 118.3260,  
-21.2290, 4.7790

■ 93.7990, -21.1830,  
3.9450

■ 69.6850, -20.8620,  
3.6340

■ 46.8590, -21.4120,  
2.5880

■ 24.1360, -23.7500,

0.9060

■ 5.2950, -10.7760,  
8.0720

■ 0.3420, -0.9630,  
0.9330

■ 198.2550,  
-22.4670, 5.1890

■ 198.2550,  
-22.4670, 5.1890

■ 183.1600,  
-32.3250, 7.6350

■ 213.3500,  
-12.6090, 2.7430

■ 168.0650,  
-42.1830, 10.0810

■ 228.4450, -2.7510,  
0.2970

■ 153.2580,  
-52.9120, 11.7920

■ 243.2520, 7.9780,  
-1.4140

■ 138.1630,  
-62.7700, 14.2380

■ 252.3780, 7.3830,  
-7.1530

■ 123.0680,  
-72.6280, 16.6840

■ 107.9730,  
-82.4860, 19.1300

■ 92.8780, -92.3440,  
21.5760

■ 81.6260,  
-100.3220, 22.9900

# Harmonies

## Analogous

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



195.5370, -32.3690, -2.5850



198.2550, -22.4670, 5.1890



200.5560, -7.0170, 11.5350

# Triad

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



198.2550, -22.4670, 5.1890



201.8850, 28.4250, 7.9850



195.1800, -9.8550, -14.1350

# Complementary

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



198.2550, -22.4670, 5.1890



213.7450, 22.4670, -5.1890

# 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.



196.8460, 5.8250, -11.9590



198.2550, -22.4670, 5.1890



200.7720, 27.0050, 0.6770

# Square

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



198.2550, -22.4670, 5.1890



202.6380, 22.0510, 13.3710



198.9510, 18.8910, -6.4610



193.6930, -24.4810, -13.3850



# Rectangle

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



198.2550, -22.4670, 5.1890



202.1830, 4.3990, 13.8950



198.9510, 18.8910, -6.4610



195.8170, -4.3990, -13.8950

# Sweetspot

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



198.2550, -22.4670, 5.1890



243.1610, -7.7030, 1.9370



213.9440, -23.9300, -17.8660



120.6020, -4.6310, 1.3290



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.



198.2550, -22.4670, 5.1890



210.3020, -29.8490, 6.8150



187.1240, -14.3080, 17.0200



107.3030, -5.2270, 1.1170



62.6700, -77.2590, 18.0130



18.1410, -22.1460, 4.8780



# Inverse Universe

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



197.9420, 24.2510, 17.5550



209.8230, 32.1360, 23.3360



224.8760, 14.3080, -17.0200



107.1580, 5.5470, 4.0990



61.7290, 83.5720, 60.3400

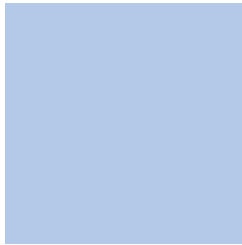


17.6430, 23.6550, 17.3430



# Previews

## White Background



This preview shows how the YIQ color 198.2550, -22.4670, 5.1890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

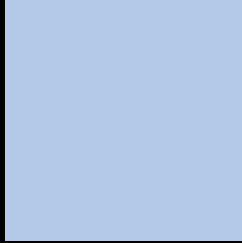
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 198.2550, -22.4670, 5.1890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

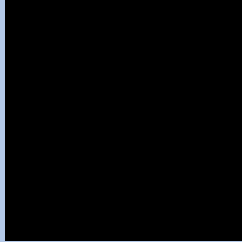
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

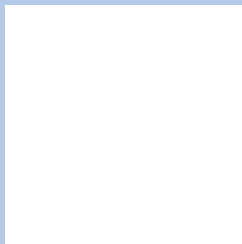
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 198.2550, -22.4670, 5.1890

## Background



This preview shows how black text looks on a background with the YIQ color 198.2550, -22.4670, 5.1890.



This preview shows how white text looks on a background with the YIQ color 198.2550, -22.4670,



# 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

198.2550, -22.4670, 5.1890

### Protanopia

199.5660, -12.9770, 9.4150

### Deuteranopia

200.8380, -7.7510, 13.8250



## Tritanopia

197.3490, -20.0360, -0.3240

# Trichromacy



## Original Color

198.2550, -22.4670, 5.1890

## Protanomaly

198.7720, -16.5530, 8.1430

## Deuteranomaly

200.2070, -13.3440, 10.5600

## Tritanomaly

197.6310, -20.7700, 1.9660

# Monochromacy



## Original Color

198.2550, -22.4670, 5.1890

## Achromatopsia

198.0000, -0.0000, 0.0000

## Achromatomaly

197.8620, -8.2990, 1.7250

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 198.2550, -22.4670, 5.1890 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(180, 201, 232)` looks like.

```
.text, #text, p{  
    color:rgb(180, 201, 232)  
}
```

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(180, 201, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 201, 232) }
```

## Border

The CSS property to change the border of an element to YIQ 198.2550, -22.4670, 5.1890 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(180, 201, 232) }
```



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

```
.border{ border-color:rgb(180, 201, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 201, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 201, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 201, 232);  
box-shadow:4px 4px 4px 4px rgb(180, 201,  
232) }
```

# Background

The CSS property to change the background color of an element to YIQ 198.2550, -22.4670, 5.1890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 201, 232) }
```

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

```
.background{ background-color: rgb(180,  
201, 232) }
```

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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