

# Converting Colors

YIQ(194.8130, -23.7980,  
12.7940)

Have a look what the booklet for  
YIQ(194.8130, -23.7980, 12.7940)  
contains.

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# Color

**YIQ(194.8130, -23.7980,  
12.7940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4C1F3
RGB	180, 193, 243
RGB Percent	71%, 76%, 95%
CMY	0.2941, 0.2431, 0.0472
CMYK	0.26, 0.21, 0.00, 0.05
HSL	228°, 72%, 83%
HSV	228°, 26%, 95%
XYZ	54.0661, 54.3147, 92.4013
YIQ	194.8130, -23.7980, 12.7940

# Conversions

## Conversions Part 2

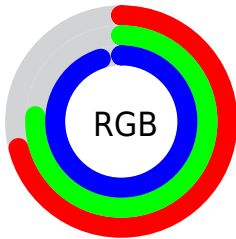
Format	Color
R <sub>Y</sub> B	180, 191, 243
Decimal	11846131
CIE Lab	78.64, 6.33, -26.17
CIE LCh	79, 26.926, 283.603
Yxy	54.3147, 0.2693, 0.2705
Android (android.graphics.Color)	4290036211 (0xFFB4C1F3)
YUV	194.8130, 23.7562, -12.9910
Hunter-Lab	73.6985, 1.9774, -22.7473

# Details

The YIQ color  $194.8130, -23.7980, 12.7940$  is a light color, and the websafe version is hex  $CCCCFF$ . A complement of this color would be  $228.1870, 23.7980, -12.7940$ , and the grayscale version is  $195.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $246.0960, -9.0780, -0.6780$ , and  $141.1720, -23.4310, 11.6490$  is the 20% darker color. If you saturate the color by 10%, you get  $176.4840, -32.8770, 17.6430$ , and if you desaturate by 10%, it is  $213.1420, -14.7190, 7.9450$ .

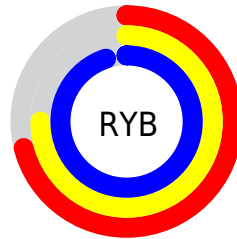
# Distribution



Red (71%)

Green (76%)

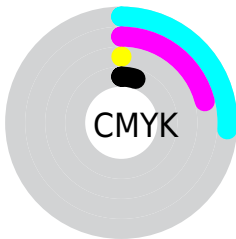
Blue (95%)



Red (71%)

Yellow (75%)

Blue (95%)

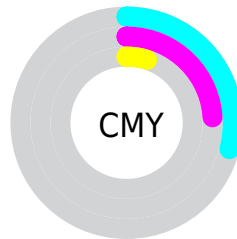


Cyan (26%)

Magenta (21%)

Yellow (0%)

Black (5%)



Cyan (29%)

Magenta (24%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 194.8130, -23.7980, 12.7940 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 194.8130, -23.7980, 12.7940 by changing the saturation by 10% instead.



■ 194.8130,  
-23.7980, 12.7940

■ 194.8130,  
-23.7980, 12.7940

■ 255.0000, -0.0000,  
-0.0000

■ 167.5850,  
-23.1560, 12.1720

■ 246.0960, -9.0780,  
-0.6780

■ 141.1720,  
-23.4310, 11.6490

■ 115.0580,  
-23.1100, 11.3380

■ 90.4170, -22.7430,  
10.1930

■ 66.0040, -23.0180,  
9.6700

■ 43.0530, -24.7140,  
7.3660

■ 20.9280, -25.8600,

6.1080

■ 5.5060, -12.7480,  
10.7720

■ 2.2970, -5.0900,  
4.1420

■ 194.8130,  
-23.7980, 12.7940

■ 194.8130,  
-23.7980, 12.7940

■ 176.4840,  
-32.8770, 17.6430

■ 213.1420,  
-14.7190, 7.9450

■ 157.2690,  
-42.2770, 22.8030

■ 232.3570, -5.3190,  
2.7850

■ 138.9400,  
-51.3560, 27.6520

■ 250.6860, 3.7600,  
-2.0640

■ 120.6110,  
-60.4350, 32.5010

■ 253.6320, 3.8520,  
-3.7320

■ 102.2820,  
-69.5140, 37.3500

■ 83.0670, -78.9140,  
42.5100

■ 64.7380, -87.9930,  
47.3590

■ 57.0520, -91.7530,  
49.4230

# Harmonies

## Analogous

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



189.2290, -45.9410, 1.0910



194.8130, -23.7980, 12.7940



198.0290, 2.1970, 20.7650

# Triad

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



194.8130, -23.7980, 12.7940



196.9590, 42.7760, 6.7120



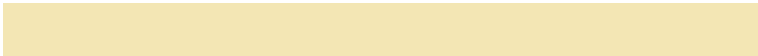
185.9710, -28.5600, -22.0640

# Complementary

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



194.8130, -23.7980, 12.7940



228.1870, 23.7980, -12.7940

# 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.



189.4870, -3.7100, -20.8780



194.8130, -23.7980, 12.7940



194.6880, 35.8090, -4.6950

# Square

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



194.8130, -23.7980, 12.7940



198.4290, 38.8770, 16.8050



192.3820, 18.7550, -15.0130



183.4280, -48.7800, -19.0520



# Rectangle

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



194.8130, -23.7980, 12.7940



199.1680, 17.9230, 22.1070



192.3820, 18.7550, -15.0130



187.1630, -20.3530, -22.1210

# Sweetspot

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



194.8130, -23.7980, 12.7940



239.6280, -7.5200, 4.1280



222.5670, -33.0540, -17.7100



117.6560, -4.7230, 2.9970



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.



194.8130, -23.7980, 12.7940



194.3980, -29.7590, 16.2010



192.5640, -9.4950, 23.4090



113.1290, -4.6770, 2.1630



43.5100, -70.1560, 37.9720



13.7700, -22.2390, 12.0730



# Inverse Universe

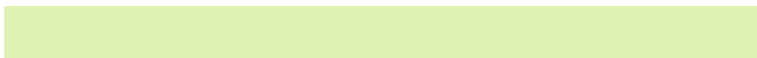
The Inverse Universe completely reimagines the original color for something new.



200.3190, 33.3750, 17.3990



201.4450, 41.9480, 21.7240



230.4360, 9.4950, -23.4090



113.9300, 6.1890, 3.4770



59.9460, 98.6580, 51.2500

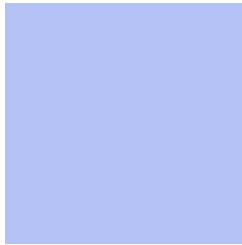


19.0090, 31.3120, 16.2400



# Previews

## White Background



This preview shows how the YIQ color 194.8130, -23.7980, 12.7940 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

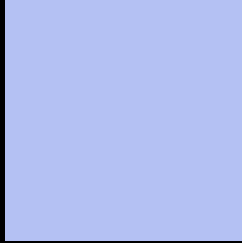
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 194.8130, -23.7980, 12.7940 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

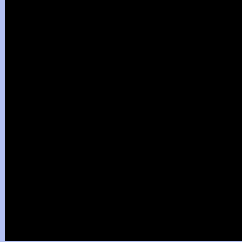
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 194.8130, -23.7980, 12.7940

## Background



This preview shows how black text looks on a background with the YIQ color 194.8130, -23.7980, 12.7940.



This preview shows how white text looks on a background with the YIQ color 194.8130, -23.7980, 12.7940.



# 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

194.8130, -23.7980, 12.7940

### Protanopia

194.8240, -22.3310, 13.7410

### Deuteranopia

196.0310, -18.4800, 15.5360



## Tritanopia

192.6480, -19.4400, -0.1120

# Trichromacy



## Original Color

194.8130, -23.7980, 12.7940

## Protanomaly

194.5250, -22.9270, 13.5290

## Deuteranomaly

195.7210, -20.5430, 14.3770

## Tritanomaly

193.3260, -21.2290, 4.7790

# Monochromacy



## Original Color

194.8130, -23.7980, 12.7940

## Achromatopsia

195.0000, -0.0000, 0.0000

## Achromatomaly

194.8560, -8.1620, 4.7500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 194.8130, -23.7980, 12.7940 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, 193, 243)` looks like.

```
.text, #text, p{  
    color:rgb(180, 193, 243)  
}
```

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, 193, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 193, 243) }
```

## Border

The CSS property to change the border of an element to YIQ 194.8130, -23.7980, 12.7940 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, 193, 243) }
```



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

```
.border{ border-color:rgb(180, 193, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 193, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 193, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 193, 243);  
box-shadow:4px 4px 4px 4px rgb(180, 193,  
243) }
```

# Background

The CSS property to change the background color of an element to YIQ 194.8130, -23.7980, 12.7940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 193, 243) }
```

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

```
.background{ background-color: rgb(180,  
193, 243) }
```

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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