

# Converting Colors

YIQ(195.9980, -22.8810,  
12.6950)

Have a look what the booklet for  
YIQ(195.9980, -22.8810, 12.6950)  
contains.

<b>YIQ(195.9980, -22.8810, 12.6950)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(195.9980, -22.8810,  
12.6950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6C2F3
RGB	182, 194, 243
RGB Percent	71%, 76%, 95%
CMY	0.2863, 0.2392, 0.0472
CMYK	0.25, 0.20, 0.00, 0.05
HSL	228°, 72%, 83%
HSV	228°, 25%, 95%
XYZ	54.7572, 55.0001, 92.4981
YIQ	195.9980, -22.8810, 12.6950

# Conversions

## Conversions Part 2

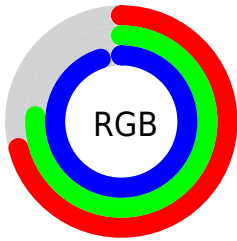
Format	Color
R <sub>Y</sub> B	182, 192, 243
Decimal	11977459
CIE Lab	79.04, 6.38, -25.55
CIE LCh	79, 26.338, 284.022
Yxy	55.0001, 0.2707, 0.2719
Android (android.graphics.Color)	4290167539 (0xFFB6C2F3)
YUV	195.9980, 23.1720, -12.2762
Hunter-Lab	74.1621, 2.0109, -22.0356

# Details

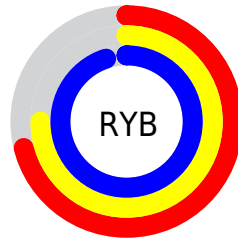
The YIQ color  $195.9980, -22.8810, 12.6950$  is a light color, and the websafe version is hex  $CCCCFF$ . A complement of this color would be  $229.0020, 22.8810, -12.6950$ , and the grayscale version is  $196.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $247.2810, -8.1610, -0.7770$ , and  $142.3570, -22.5140, 11.5500$  is the 20% darker color. If you saturate the color by 10%, you get  $177.0820, -31.6850, 18.0670$ , and if you desaturate by 10%, it is  $214.9140, -14.0770, 7.3230$ .

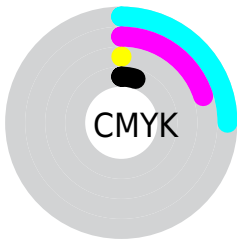
# Distribution



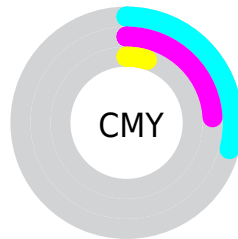
- Red (71%)
- Green (76%)
- Blue (95%)



- Red (71%)
- Yellow (75%)
- Blue (95%)



- Cyan (25%)
- Magenta (20%)
- Yellow (0%)
- Black (5%)



- Cyan (29%)
- Magenta (24%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 195.9980, -22.8810, 12.6950 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 195.9980, -22.8810, 12.6950 by changing the saturation by 10% instead.



■ 195.9980,  
-22.8810, 12.6950

■ 195.9980,  
-22.8810, 12.6950

■ 255.0000, -0.0000,  
-0.0000

■ 168.7700,  
-22.2390, 12.0730

■ 247.2810, -8.1610,  
-0.7770

■ 142.3570,  
-22.5140, 11.5500

■ 116.2430,  
-22.1930, 11.2390

■ 91.6020, -21.8260,  
10.0940

■ 67.1890, -22.1010,  
9.5710

■ 43.6510, -23.5220,  
7.7900

■ 21.5150, -26.1350,

5.5850

■ 4.9190, -12.4730,  
11.2950

■ 2.2970, -5.0900,  
4.1420

■ 195.9980,  
-22.8810, 12.6950

■ 195.9980,  
-22.8810, 12.6950

■ 177.0820,  
-31.6850, 18.0670

■ 214.9140,  
-14.0770, 7.3230

■ 158.4540,  
-41.3600, 22.7040

■ 233.5420, -4.4020,  
2.6860

■ 139.5380,  
-50.1640, 28.0760

■ 252.4580, 4.4020,  
-2.6860

■ 121.2090,  
-59.2430, 32.9250

■ 253.6320, 3.8520,  
-3.7320

■ 102.2930,  
-68.0470, 38.2970

■ 83.6650, -77.7220,  
42.9340

■ 64.7490, -86.5260,  
48.3060

■ 55.8780, -91.2030,  
50.4690

# Harmonies

## Analogous

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



190.7130, -44.4280, 1.2040



195.9980, -22.8810, 12.6950



199.5020, 2.2430, 19.9310

# Triad

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



195.9980, -22.8810, 12.6950



197.7740, 41.8590, 6.8110



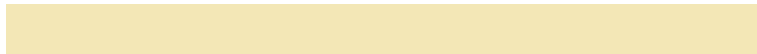
187.2700, -27.9640, -21.8520

# Complementary

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



195.9980, -22.8810, 12.6950



229.0020, 22.8810, -12.6950

# 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.



190.6010, -4.0310, -20.5670



195.9980, -22.8810, 12.6950



196.0900, 34.6170, -5.1190

# Square

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



195.9980, -22.8810, 12.6950



199.1300, 38.2810, 16.5930



193.4960, 18.4340, -14.7020



185.1400, -47.9090, -18.3170



# Rectangle

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



195.9980, -22.8810, 12.6950



199.8690, 17.3270, 21.8950



193.4960, 18.4340, -14.7020



188.5760, -20.0780, -21.5980

# Sweetspot

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



195.9980, -22.8810, 12.6950



239.6280, -7.5200, 4.1280



223.3930, -32.5040, -16.6640



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.



195.9980, -22.8810, 12.6950



196.4690, -28.5210, 15.7910



194.3360, -8.8530, 22.7870



113.1290, -4.6770, 2.1630



42.9230, -69.8810, 38.4950



13.7700, -22.2390, 12.0730



# Inverse Universe

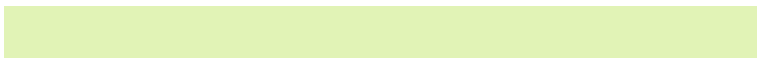
The Inverse Universe completely reimagines the original color for something new.



201.6070, 32.5040, 16.6640



203.4340, 40.4810, 20.7770



230.6640, 8.8530, -22.7870



113.9300, 6.1890, 3.4770



59.8320, 98.9790, 50.9390



19.0090, 31.3120, 16.2400



# Previews

## White Background



This preview shows how the YIQ color 195.9980, -22.8810, 12.6950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

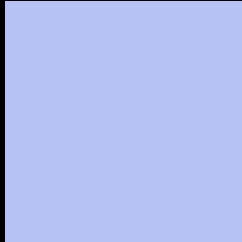
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 195.9980, -22.8810, 12.6950 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

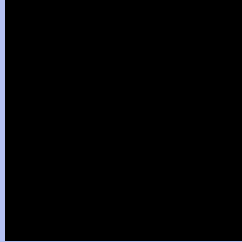
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 195.9980, -22.8810, 12.6950

## Background



This preview shows how black text looks on a background with the YIQ color 195.9980, -22.8810, 12.6950.



This preview shows how white text looks on a background with the YIQ color 195.9980, -22.8810,



# 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

195.9980, -22.8810, 12.6950

### Protanopia

196.5960, -21.6890, 13.1190

### Deuteranopia

197.2160, -17.5630, 15.4370



## Tritanopia

193.9470, -18.8440, 0.1000

# Trichromacy



## Original Color

195.9980, -22.8810, 12.6950

## Protanomaly

196.2970, -22.2850, 12.9070

## Deuteranomaly

196.9060, -19.6260, 14.2780

## Tritanomaly

194.5110, -20.3120, 4.6800

# Monochromacy



## Original Color

195.9980, -22.8810, 12.6950

## Achromatopsia

196.0000, -0.0000, -0.0000

## Achromatomaly

195.8560, -8.1620, 4.7500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 195.9980, -22.8810, 12.6950 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(182, 194, 243)` looks like.

```
.text, #text, p{  
    color:rgb(182, 194, 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(182, 194, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 194, 243) }
```

## Border

The CSS property to change the border of an element to YIQ 195.9980, -22.8810, 12.6950 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(182, 194, 243) }
```



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

```
.border{ border-color:rgb(182, 194, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 194, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 194, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 194, 243);  
box-shadow:4px 4px 4px 4px rgb(182, 194,  
243) }
```

# Background

The CSS property to change the background color of an element to YIQ 195.9980, -22.8810, 12.6950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 194, 243) }
```

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

```
.background{ background-color: rgb(182,  
194, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor