

# Converting Colors

YUV(190.6890, 18.3943,  
-19.8983)

Have a look what the booklet for  
YUV(190.6890, 18.3943, -19.8983)  
contains.

<b>YUV(190.6890, 18.3943, -19.8983)</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

**YUV(190.6890, 18.3943,  
-19.8983)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8C3E4
RGB	168, 195, 228
RGB Percent	66%, 76%, 89%
CMY	0.3412, 0.2353, 0.1059
CMYK	0.26, 0.14, 0.00, 0.11
HSL	213°, 53%, 78%
HSV	213°, 26%, 89%
XYZ	49.6671, 52.9565, 81.0027
YIQ	190.6890, -26.6850, 4.5390

# Conversions

## Conversions Part 2

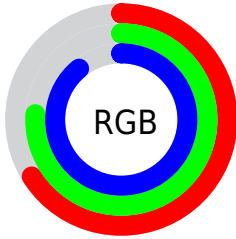
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	168, 187, 228
Decimal	11060196
CIE Lab	77.85, -1.79, -19.41
CIE LCh	78, 19.495, 264.722
Yxy	52.9565, 0.2705, 0.2884
Android (android.graphics.Color)	4289250276 (0xFFA8C3E4)
YUV	190.6890, 18.3943, -19.8983
Hunter-Lab	72.7712, -5.5214, -15.0567

# Details

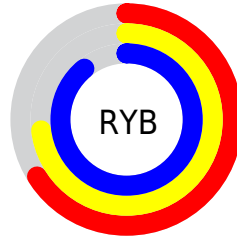
The YUV color  $190.6890, 18.3943, -19.8983$  is a light color, and the websafe version is hex  $99CCFF$ . A complement of this color would be  $205.3110, -18.3943, 19.8983$ , and the grayscale version is  $191.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $243.3830, 5.7272, -16.9989$ , and  $136.8740, 17.8101, -19.1835$  is the 20% darker color. If you saturate the color by 10%, you get  $176.1810, 25.5468, -27.3457$ , and if you desaturate by 10%, it is  $205.1970, 11.2419, -12.4508$ .

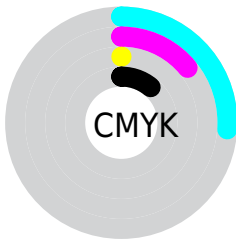
# Distribution



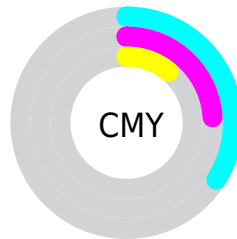
- Red (66%)
- Green (76%)
- Blue (89%)



- Red (66%)
- Yellow (73%)
- Blue (89%)



- Cyan (26%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)



- Cyan (34%)
- Magenta (24%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 190.6890, 18.3943, -19.8983 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 YUV color 190.6890, 18.3943, -19.8983 by changing the saturation by 10% instead.



■ 190.6890, 18.3943,  
-19.8983

■ 190.6890, 18.3943,  
-19.8983

255.0000, 0.0000,  
0.0000

■ 163.5750, 17.9575,  
-19.7983

■ 243.3830, 5.7272,  
-16.9989

■ 136.8740, 17.8101,  
-19.1835

■ 254.4020, 0.2948,  
-1.2296

■ 111.3470, 17.0839,  
-19.5983

■ 86.2330, 16.6471,  
-19.4983

■ 62.4070, 16.0683,  
-20.5279

■ 38.6840, 15.9318,  
-23.4019

■ 20.2610, 14.1683,

-17.7689

■ 4.3660, 11.6516,  
-3.8290

■ 0.0000, 0.0000,  
0.0000

■ 190.6890, 18.3943,  
-19.8983

■ 190.6890, 18.3943,  
-19.8983

■ 176.1810, 25.5468,  
-27.3457

■ 205.1970, 11.2419,  
-12.4508

■ 162.2600, 32.4098,  
-35.3080

■ 219.1180, 4.3788,  
-4.4885

■ 148.0510, 39.4149,  
-42.1407

■ 233.3270, -2.6262,  
2.3442

■ 134.1300, 46.2779,  
-50.1030

■ 246.0520, -8.8996,  
7.8474

■ 119.6220, 53.4304,  
-57.5505

■ 251.9220,  
-11.7935, 2.6994

■ 105.7010, 60.2934,  
-65.5128

■ 91.1930, 67.4459,  
-72.9603

■ 86.4530, 69.7827,  
-75.8193

# Harmonies

## Analogous

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



187.4440, 16.5431, -32.8384



190.6890, 18.3943, -19.8983



194.0010, 15.2825, -1.7549

# Triad

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



190.6890, 18.3943, -19.8983



195.3090, -8.5333, 30.4240



187.7240, -8.2449, -15.5439

# Complementary

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



190.6890, 18.3943, -19.8983



205.3110, -18.3943, 19.8983

# 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.



189.9880, -15.2771, 0.0105



190.6890, 18.3943, -19.8983



193.6800, -14.6322, 26.5906

# Square

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



190.6890, 18.3943, -19.8983



195.8770, 0.0606, 27.2949



192.2180, -17.3625, 15.5948



186.0410, 0.9658, -29.8540



# Rectangle

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



190.6890, 18.3943, -19.8983



195.3400, 11.1714, 10.2258



192.2180, -17.3625, 15.5948



188.3610, -11.0240, -10.8406

# Sweetspot

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



190.6890, 18.3943, -19.8983



242.5630, 6.1314, -6.6328



206.9820, -2.9491, -34.1872



119.4170, 4.2314, -3.8737



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.



190.6890, 18.3943, -19.8983



204.0670, 25.1100, -27.2458



175.7370, 25.7657, -4.1543



107.3030, 3.7946, -3.7737



67.3660, 55.0356, -59.0800



19.3150, 15.6207, -16.9393



# Inverse Universe

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



189.0180, 2.9491, 34.1872



201.7360, 4.0742, 46.7125



220.2630, -25.7657, 4.1543



107.1580, 0.4151, 6.8774



62.6410, 8.5580, 102.0468

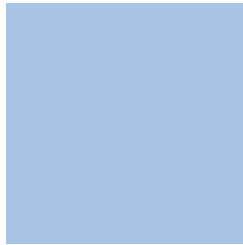


17.8710, 2.5286, 29.0541



# Previews

## White Background



This preview shows how the YUV color 190.6890, 18.3943, -19.8983 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

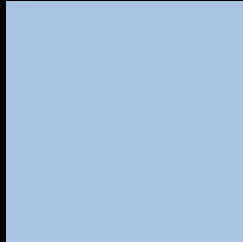
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 190.6890, 18.3943, -19.8983 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

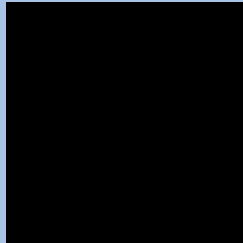
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

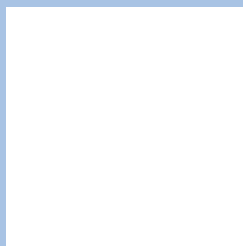
Any Text WCAG AAA ✓ Pass

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

# YUV 190.6890, 18.3943, -19.8983 Background



This preview shows how black text looks on a background with the YUV color 190.6890, 18.3943, -19.8983.



This preview shows how white text looks on a background with the YUV color 190.6890, 18.3943, -19.8983.

-19.8983.

# 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

190.6890, 18.3943, -19.8983

### Protanopia

192.4950, 16.0250, -6.5731

### Deuteranopia

193.9840, 17.7559, -1.7400



## Tritanopia

189.8430, 11.4164, -21.7873

# Trichromacy



## Original Color

190.6890, 18.3943, -19.8983

## Protanomaly

191.9890, 16.7674, -11.3914

## Deuteranomaly

192.9400, 17.7776, -8.7174

## Tritanomaly

190.1250, 13.7424, -21.1576

# Monochromacy



## Original Color

190.6890, 18.3943, -19.8983

## Achromatopsia

191.0000, 0.0000, 0.0000

## Achromatomaly

190.6770, 6.5682, -6.7327

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 190.6890, 18.3943, -19.8983 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(168, 195, 228)` looks like.

```
.text, #text, p{  
    color:rgb(168, 195, 228)  
}
```

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(168, 195, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 195, 228) }
```

## Border

The CSS property to change the border of an element to YUV 190.6890, 18.3943, -19.8983 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(168, 195, 228) }
```



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

```
.border{ border-color:rgb(168, 195, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 195, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 195, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 195, 228);  
box-shadow:4px 4px 4px 4px rgb(168, 195,  
228) }
```

# Background

The CSS property to change the background color of an element to YUV 190.6890, 18.3943, -19.8983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 195, 228) }
```

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

```
.background{ background-color: rgb(168,  
195, 228) }
```

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