

# Converting Colors

YUV(170.7970, 21.2991,  
-18.2390)

Have a look what the booklet for  
YUV(170.7970, 21.2991, -18.2390)  
contains.

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# Color

**YUV(170.7970, 21.2991,  
-18.2390)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	96ADD6
RGB	150, 173, 214
RGB Percent	59%, 68%, 84%
CMY	0.4118, 0.3216, 0.1608
CMYK	0.30, 0.19, 0.00, 0.16
HSL	218°, 44%, 71%
HSV	218°, 30%, 84%
XYZ	39.6588, 41.2262, 69.4855
YIQ	170.7970, -26.8690, 7.8750

# Conversions

## Conversions Part 2

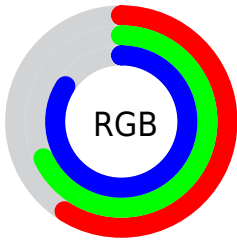
Format	Color
R <sub>YB</sub>	150, 167, 214
Decimal	9874902
CIE Lab	70.33, 1.50, -23.34
CIE LCh	70, 23.386, 273.668
Yxy	41.2262, 0.2637, 0.2742
Android (android.graphics.Color)	4288064982 (0xFF96ADD6)
YUV	170.7970, 21.2991, -18.2390
Hunter-Lab	64.2076, -2.1101, -19.2183

# Details

The YUV color **170.7970, 21.2991, -18.2390** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **193.2030, -21.2991, 18.2390**, and the grayscale version is **171.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **224.2010, 15.1839, -16.8393**, and **118.1560, 20.1361, -18.5538** is the 20% darker color. If you saturate the color by 10%, you get **156.3000, 28.4461, -23.9421**, and if you desaturate by 10%, it is **185.2940, 14.1521, -12.5358**.

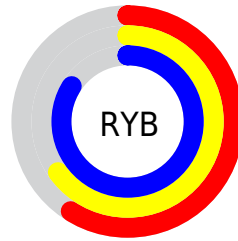
# Distribution



Red (59%)

Green (68%)

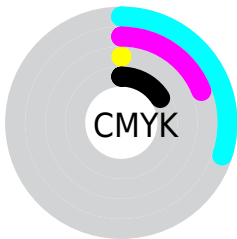
Blue (84%)



Red (59%)

Yellow (65%)

Blue (84%)

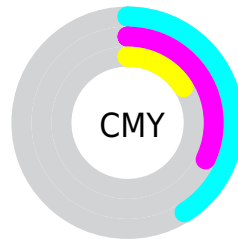


Cyan (30%)

Magenta (19%)

Yellow (0%)

Black (16%)



Cyan (41%)

Magenta (32%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 170.7970, 21.2991, -18.2390 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 170.7970, 21.2991, -18.2390 by changing the saturation by 10% instead.



■ 170.7970, 21.2991,  
-18.2390

■ 170.7970, 21.2991,  
-18.2390

255.0000, 0.0000,  
0.0000

■ 143.6830, 20.8623,  
-18.1390

■ 224.2010, 15.1839,  
-16.8393

■ 118.1560, 20.1361,  
-18.5538

■ 248.7210, 3.0955,  
-12.9103

■ 93.0420, 19.6993,  
-18.4538

■ 69.2160, 19.1205,  
-19.4834

■ 44.7920, 18.8365,  
-21.7426

■ 23.8630, 17.8155,  
-20.9279

■ 6.0930, 15.7302,

-5.3436

■ 2.2970, 6.2626,  
-2.0145

■ 0.0000, 0.0000,  
0.0000

■ 170.7970, 21.2991,  
-18.2390

■ 170.7970, 21.2991,  
-18.2390

■ 156.3000, 28.4461,  
-23.9421

■ 185.2940, 14.1521,  
-12.5358

■ 142.0910, 35.4511,  
-30.7748

■ 199.5030, 7.1470,  
-5.7031

■ 127.5940, 42.5982,  
-36.4779

■ 214.0000, 0.0000,  
0.0000

■ 112.7980, 49.8926,  
-42.7958

■ 228.7960, -7.2944,  
6.3179

■ 98.3010, 57.0396,  
-48.4990

■ 242.6950,  
-14.1466, 10.7915

■ 84.3910, 63.8972,  
-54.7169

■ 250.3260,  
-17.9087, 4.0991

■ 69.5950, 71.1917,  
-61.0348

# Harmonies

## Analogous

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



165.9750, 21.2113, -36.8121



170.7970, 21.2991, -18.2390



174.5610, 15.9924, 3.8930

# Triad

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



170.7970, 21.2991, -18.2390



174.3050, -12.4754, 34.8125



165.5380, -6.1812, -24.1508

# Complementary

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



170.7970, 21.2991, -18.2390



193.2030, -21.2991, 18.2390

# 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.



168.4280, -15.9870, -5.6374



170.7970, 21.2991, -18.2390



172.6540, -18.5634, 27.4904

# Square

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



170.7970, 21.2991, -18.2390



175.5250, -2.7238, 33.7426



170.5120, -19.9724, 12.7060



163.1260, 5.3609, -39.5755



# Rectangle

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



170.7970, 21.2991, -18.2390



175.2700, 10.7129, 17.3032



170.5120, -19.9724, 12.7060



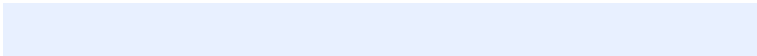
166.5450, -10.1287, -18.0180

# Sweetspot

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



170.7970, 21.2991, -18.2390



239.3180, 7.7312, -6.4179



192.2420, -0.6123, -37.0462



118.2320, 4.8156, -4.5885



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.



170.7970, 21.2991, -18.2390



192.8590, 30.6355, -26.1863



159.9870, 26.6284, -0.8656



99.6020, 3.6472, -3.1590



55.3010, 57.0396, -48.4990



14.2940, 14.1521, -12.5358



# Inverse Universe

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



171.7580, 0.6123, 37.0462



194.2700, 0.8529, 53.2602



204.0130, -26.6284, 0.8656



99.7450, 0.1257, 6.3626



58.0830, 1.4381, 99.0282

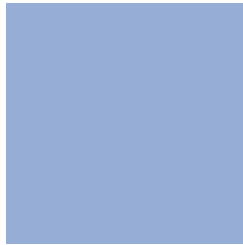


14.6810, 0.6503, 24.8358



# Previews

## White Background



This preview shows how the YUV color 170.7970, 21.2991, -18.2390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

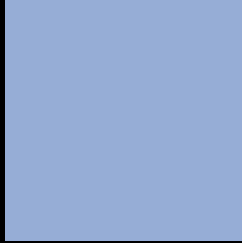
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 170.7970, 21.2991, -18.2390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

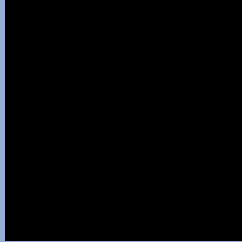
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

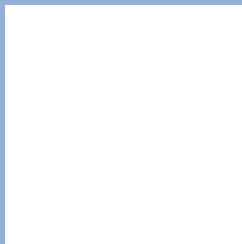
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 170.7970, 21.2991, -18.2390

## Background



This preview shows how black text looks on a background with the YUV color 170.7970, 21.2991, -18.2390.



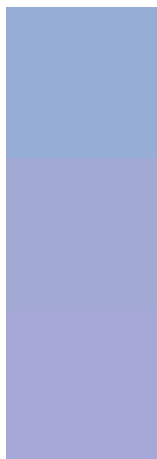
This preview shows how white text looks on a background with the YUV color 170.7970, 21.2991, -18.2390.

-18.2390.

# 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

170.7970, 21.2991, -18.2390

### Protanopia

172.3960, 19.5248, -9.1173

### Deuteranopia

172.7600, 20.8243, -5.9285



## Tritanopia

169.0280, 10.8322, -21.0726

# Trichromacy



## Original Color

170.7970, 21.2991, -18.2390

## Protanomaly

171.9010, 20.2618, -12.1912

## Deuteranomaly

172.1400, 21.1300, -10.6468

## Tritanomaly

169.9510, 14.3212, -20.1280

# Monochromacy



## Original Color

170.7970, 21.2991, -18.2390

## Achromatopsia

171.0000, 0.0000, 0.0000

## Achromatomaly

171.0190, 7.8786, -7.0327

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 170.7970, 21.2991, -18.2390 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(150, 173, 214)` looks like.

```
.text, #text, p{  
    color:rgb(150, 173, 214)  
}
```

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(150, 173, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 173, 214) }
```

## Border

The CSS property to change the border of an element to YUV 170.7970, 21.2991, -18.2390 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(150, 173, 214) }
```



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

```
.border{ border-color:rgb(150, 173, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 173, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 173, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 173, 214);  
box-shadow:4px 4px 4px 4px rgb(150, 173,  
214) }
```

# Background

The CSS property to change the background color of an element to YUV 170.7970, 21.2991, -18.2390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 173, 214) }
```

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

```
.background{ background-color: rgb(150,  
173, 214) }
```

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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