

# Converting Colors

YUV(168.9620, 31.0777,  
-28.0307)

Have a look what the booklet for  
YUV(168.9620, 31.0777, -28.0307)  
contains.

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# Color

**YUV(168.9620, 31.0777,  
-28.0307)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89ADE8
RGB	137, 173, 232
RGB Percent	54%, 68%, 91%
CMY	0.4627, 0.3216, 0.0902
CMYK	0.41, 0.25, 0.00, 0.09
HSL	217°, 67%, 72%
HSV	217°, 41%, 91%
XYZ	39.8256, 41.0317, 82.1648
YIQ	168.9620, -40.3950, 10.7170

# Conversions

## Conversions Part 2

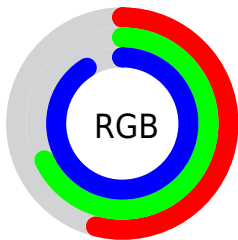
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">137, 163, 232</a>
Decimal	<a href="#">9022952</a>
CIELab	<a href="#">70.20, 2.61, -33.47</a>
CIElCh	<a href="#">70, 33.568, 274.451</a>
Yxy	<a href="#">41.0317, 0.2443, 0.2517</a>
Android (android.graphics.Color)	<a href="#">4287213032</a> ( <a href="#">0xFF89ADE8</a> )
YUV	<a href="#">168.9620, 31.0777, -28.0307</a>
Hunter-Lab	<a href="#">64.0560, -1.1190, -31.2123</a>

# Details

The YUV color **168.9620, 31.0777, -28.0307** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **200.0380, -31.0777, 28.0307**, and the grayscale version is **169.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **220.6130, 16.9528, -24.2166**, and **115.6090, 29.7728, -29.4751** is the 20% darker color. If you saturate the color by 10%, you get **153.8670, 38.5196, -34.9634**, and if you desaturate by 10%, it is **184.0570, 23.6359, -21.0980**.

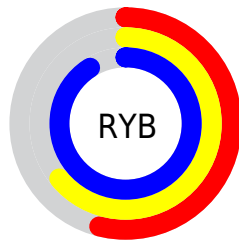
# Distribution



Red (54%)

Green (68%)

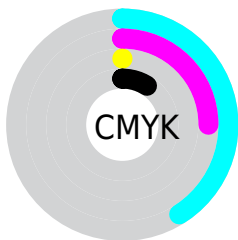
Blue (91%)



Red (54%)

Yellow (64%)

Blue (91%)

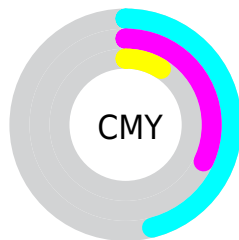


Cyan (41%)

Magenta (25%)

Yellow (0%)

Black (9%)



Cyan (46%)

Magenta (32%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 168.9620, 31.0777, -28.0307 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 168.9620, 31.0777, -28.0307 by changing the saturation by 10% instead.



■ 168.9620, 31.0777,  
-28.0307

■ 168.9620, 31.0777,  
-28.0307

255.0000, 0.0000,  
0.0000

■ 142.1360, 30.4990,  
-29.0603

■ 220.6130, 16.9528,  
-24.2166

■ 115.6090, 29.7728,  
-29.4751

■ 245.1330, 4.8644,  
-20.2876

■ 89.4840, 29.3414,  
-31.1195

■ 254.1030, 0.4422,  
-1.8443

■ 62.8530, 29.6525,  
-37.5821

■ 41.1090, 28.0473,  
-36.0526

■ 26.0460, 23.6413,  
-22.8423

■ 7.5750, 21.4085,

-6.6433

■ 4.4800, 12.0884,  
-3.9290

■ 0.0000, 0.0000,  
0.0000

■ 168.9620, 31.0777,  
-28.0307

■ 168.9620, 31.0777,  
-28.0307

■ 153.8670, 38.5196,  
-34.9634

■ 184.0570, 23.6359,  
-21.0980

■ 138.1850, 46.2508,  
-41.3812

■ 199.7390, 15.9047,  
-14.6801

■ 122.7910, 53.8400,  
-48.9287

■ 215.1330, 8.3154,  
-7.1326

■ 107.1090, 61.5713,  
-55.3466

■ 230.8150, 0.5842,  
-0.7148

■ 92.0140, 69.0131,  
-62.2793

■ 245.9100, -6.8576,  
6.2179

■ 78.1040, 75.8707,  
-68.4972

■ 252.3780,  
-10.0464, 2.2995

# Harmonies

## Analogous

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



159.5080, 32.7806, -60.9585



168.9620, 31.0777, -28.0307



174.8200, 23.2597, 6.2969

# Triad

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



168.9620, 31.0777, -28.0307



173.8400, -17.1761, 49.2523



161.1790, -8.4692, -36.9910

# Complementary

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



168.9620, 31.0777, -28.0307



200.0380, -31.0777, 28.0307

# 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.



165.6850, -22.5227, -9.3707



168.9620, 31.0777, -28.0307



171.8310, -27.0317, 36.9822

# Square

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



168.9620, 31.0777, -28.0307



174.7980, -3.3514, 48.4122



169.1290, -29.1506, 16.5499



155.1230, 9.7994, -63.2519



# Rectangle

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



168.9620, 31.0777, -28.0307



175.8780, 15.3431, 25.5400



169.1290, -29.1506, 16.5499



162.5670, -13.5905, -27.6843

# Sweetspot

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



168.9620, 31.0777, -28.0307



234.5780, 10.0680, -9.2769



199.4910, -1.7211, -54.8046



115.5740, 6.1260, -4.8884



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.



168.9620, 31.0777, -28.0307



171.8390, 40.9984, -36.6928



151.1190, 39.8743, -2.7354



107.3030, 3.7946, -3.7737



60.3220, 58.5083, -52.9024



16.9670, 16.7783, -14.8801



# Inverse Universe

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



169.5090, 1.7211, 54.8046



172.7330, 2.1036, 72.1482



217.8810, -39.8743, 2.7354



107.1580, 0.4151, 6.8774



61.2730, 3.3164, 103.2466

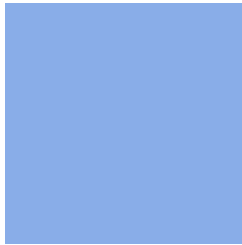


17.4150, 0.7814, 29.4540



# Previews

## White Background



This preview shows how the YUV color 168.9620, 31.0777, -28.0307 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

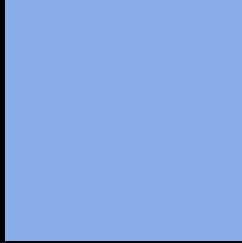
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 168.9620, 31.0777, -28.0307 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

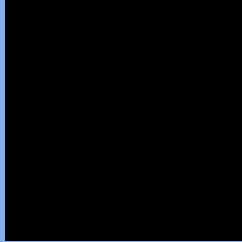
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

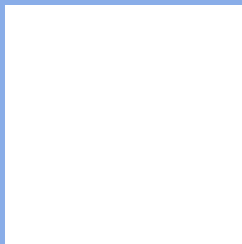
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 168.9620, 31.0777, -28.0307

## Background



This preview shows how black text looks on a background with the YUV color 168.9620, 31.0777, -28.0307.



This preview shows how white text looks on a background with the YUV color 168.9620, 31.0777, -28.0307.



# 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

168.9620, 31.0777, -28.0307

### Protanopia

171.3550, 28.4190, -15.2203

### Deuteranopia

171.5120, 30.3136, -16.2350



## Tritanopia

165.7490, 13.9277, -33.9829

# Trichromacy



## Original Color

168.9620, 31.0777, -28.0307

## Protanomaly

170.2620, 29.4508, -19.5238

## Deuteranomaly

170.3050, 30.9086, -20.4385

## Tritanomaly

166.7800, 20.3215, -31.3791

# Monochromacy



## Original Color

168.9620, 31.0777, -28.0307

## Achromatopsia

169.0000, 0.0000, 0.0000

## Achromatomaly

168.6210, 11.5258, -10.1916

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 168.9620, 31.0777, -28.0307 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(137, 173, 232)` looks like.

```
.text, #text, p{  
    color:rgb(137, 173, 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(137, 173, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 173, 232) }
```

## Border

The CSS property to change the border of an element to YUV 168.9620, 31.0777, -28.0307 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(137, 173, 232) }
```



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

```
.border{ border-color:rgb(137, 173, 232) }
```

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

Here you see how a box with a 4 pixel rgb(137, 173, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 173, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 173, 232);  
box-shadow:4px 4px 4px 4px rgb(137, 173,  
232) }
```

# Background

The CSS property to change the background color of an element to YUV 168.9620, 31.0777, -28.0307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 173, 232) }
```

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

```
.background{ background-color: rgb(137,  
173, 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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