

# Converting Colors

YUV(168.2030, 28.4939,  
-86.1240)

Have a look what the booklet for  
YUV(168.2030, 28.4939, -86.1240)  
contains.

<b>YUV(168.2030, 28.4939, -86.1240)</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(168.2030, 28.4939,  
-86.1240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46CFE2
RGB	70, 207, 226
RGB Percent	27%, 81%, 89%
CMY	0.7255, 0.1882, 0.1137
CMYK	0.69, 0.08, 0.00, 0.11
HSL	187°, 73%, 58%
HSV	187°, 69%, 89%
XYZ	38.5661, 51.4187, 79.8437
YIQ	168.2030, -87.7510, -23.1350

# Conversions

## Conversions Part 2

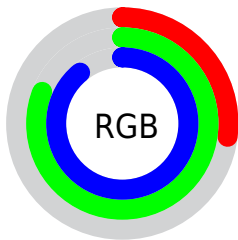
Format	Color
<a href="#">RYB</a>	<a href="#">70, 143, 226</a>
Decimal	<a href="#">4640738</a>
CIELab	<a href="#">76.93, -30.41, -20.13</a>
CIELCh	<a href="#">77, 36.463, 213.500</a>
Yxy	<a href="#">51.4187, 0.2271, 0.3028</a>
Android (android.graphics.Color)	<a href="#">4282830818 (0xFF46CFE2)</a>
YUV	<a href="#">168.2030, 28.4939, -86.1240</a>
Hunter-Lab	<a href="#">71.7069, -29.4844, -15.8230</a>

# Details

The YUV color **168.2030, 28.4939, -86.1240** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **127.7970, -28.4939, 86.1240**, and the grayscale version is **168.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **219.7180, 17.3940, -72.5437**, and **108.7180, 30.7050, -95.3457** is the 20% darker color. If you saturate the color by 10%, you get **159.5650, 32.7525, -98.7195**, and if you desaturate by 10%, it is **176.8410, 24.2354, -73.5286**.

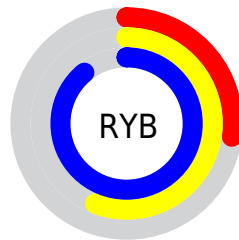
# Distribution



Red (27%)

Green (81%)

Blue (89%)



Red (27%)

Yellow (56%)

Blue (89%)

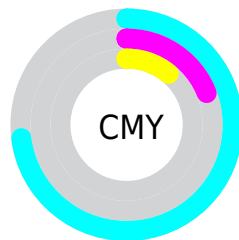


Cyan (69%)

Magenta (8%)

Yellow (0%)

Black (11%)



Cyan (73%)

Magenta (19%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 168.2030, 28.4939, -86.1240 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 168.2030, 28.4939, -86.1240 by changing the saturation by 10% instead.



168.2030, 28.4939,  
-86.1240

168.2030, 28.4939,  
-86.1240

255.0000, 0.0000,  
0.0000

133.0270, 32.0317,  
-100.8787

219.7180, 17.3940,  
-72.5437

108.7180, 30.7050,  
-95.3457

228.9870, 12.8244,  
-53.4856

90.3780, 26.4356,  
-79.2615

238.2560, 8.2548,  
-34.4275

72.7390, 22.3137,  
-63.7921

247.5250, 3.6852,  
-15.3694

55.3280, 19.0653,  
-48.5227

39.0910, 15.2381,  
-34.2828

24.8430, 11.4164,

-21.7873

■ 3.6650, 11.5042,  
-3.2142

■ 0.0000, 0.0000,  
0.0000

■ 168.2030, 28.4939,  
-86.1240

■ 168.2030, 28.4939,  
-86.1240

■ 159.5650, 32.7525,  
-98.7195

■ 176.8410, 24.2354,  
-73.5286

■ 151.2260, 36.8636,  
-110.7002

■ 185.1800, 20.1243,  
-61.5479

■ 143.1750, 40.8327,  
-123.8105

■ 193.2310, 16.1551,  
-48.4376

■ 141.9900, 41.4169,  
-124.5252

■ 201.5700, 12.0440,  
-36.4569

■ 210.2080, 7.7855,  
-23.8614

■ 218.8460, 3.5269,  
-11.2659

■ 226.5980, -0.2948,  
1.2296

■ 235.2360, -4.5533,  
13.8250

■ 238.1930, -6.0111,  
14.7397

# Harmonies

## Analogous

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



171.9050, 10.3998, -69.1997



168.2030, 28.4939, -86.1240



175.6750, 36.1492, -68.1210

# Triad

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



168.2030, 28.4939, -86.1240



194.9610, 12.8372, 35.9912



187.3420, -32.2136, 18.9941

# Complementary

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



168.2030, 28.4939, -86.1240



127.7970, -28.4939, 86.1240

# 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.



190.4680, -29.8107, 41.6856



168.2030, 28.4939, -86.1240



193.8310, -3.3677, 53.6452

# Square

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



168.2030, 28.4939, -86.1240



193.2050, 26.0279, 5.0822



192.1180, -18.7922, 54.2705



183.7020, -24.9961, -9.3857

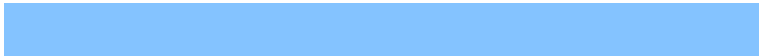


# Rectangle

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



168.2030, 28.4939, -86.1240



183.0030, 35.4945, -44.7296



192.1180, -18.7922, 54.2705



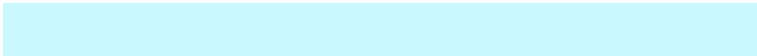
188.3970, -32.2407, 27.7158

# Sweetspot

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



168.2030, 28.4939, -86.1240



234.7450, 9.9857, -29.5944



163.6240, -37.2826, -82.1082



116.0840, 5.8746, -17.6137



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

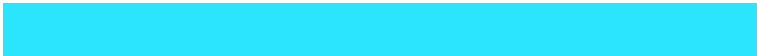


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



168.2030, 28.4939, -86.1240



176.3500, 38.7745, -116.9479



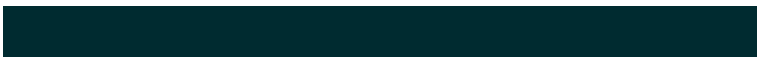
123.0040, 50.7770, -46.4845



108.1240, 1.9109, -6.2477



111.0490, 32.0208, -97.3900



30.7130, 8.5225, -26.9353



# Inverse Universe

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



132.2620, 36.8458, 82.2082



127.5920, 49.9941, 111.7368



172.9960, -50.7770, 46.4845



105.4290, 2.7465, 5.7628



70.2940, 41.7601, 92.7042

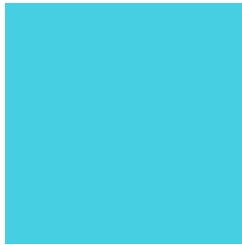


19.2540, 11.7068, 25.2102



# Previews

## White Background



This preview shows how the YUV color 168.2030, 28.4939, -86.1240 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

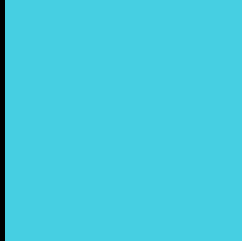
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 168.2030, 28.4939, -86.1240 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

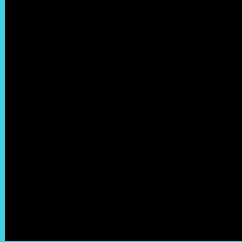
Any Text WCAG AA ✓ Pass

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 168.2030, 28.4939, -86.1240 Background



This preview shows how black text looks on a background with the YUV color 168.2030, 28.4939, -86.1240.



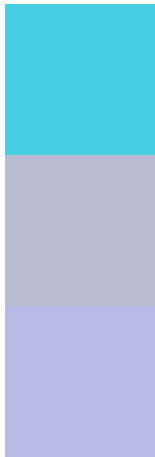
This preview shows how white text looks on a background with the YUV color 168.2030, 28.4939, -86.1240.

-86.1240.

# 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

168.2030, 28.4939, -86.1240

### Protanopia

189.3660, 11.6516, -3.8290

### Deuteranopia

190.2440, 20.0927, -4.5990



## Tritanopia

167.6760, 27.7677, -86.5389

# Trichromacy



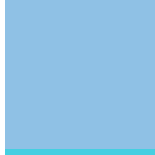
## Original Color

168.2030, 28.4939, -86.1240



## Protanomaly

181.4870, 18.0009, -33.7531



## Deuteranomaly

182.1540, 23.0951, -34.3381



## Tritanomaly

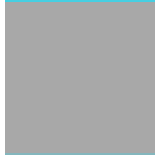
167.7900, 28.2045, -86.6388

# Monochromacy



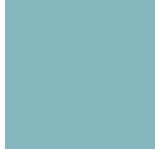
## Original Color

168.2030, 28.4939, -86.1240



## Achromatopsia

168.0000, 0.0000, 0.0000



## Achromatomaly

167.8480, 10.4279, -31.4387

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 168.2030, 28.4939, -86.1240 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(70, 207, 226)` looks like.

```
.text, #text, p{  
    color:rgb(70, 207, 226)  
}
```

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(70, 207, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 207, 226) }
```

## Border

The CSS property to change the border of an element to YUV 168.2030, 28.4939, -86.1240 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(70, 207, 226) }
```



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

```
.border{ border-color:rgb(70, 207, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 207, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 207, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 207, 226);  
box-shadow:4px 4px 4px 4px rgb(70, 207,  
226) }
```

# Background

The CSS property to change the background color of an element to YUV 168.2030, 28.4939, -86.1240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 207, 226) }
```

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

```
.background{ background-color: rgb(70, 207,  
226) }
```

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