

# Converting Colors

YUV(196.9920, 28.5979,  
-72.7840)

Have a look what the booklet for  
YUV(196.9920, 28.5979, -72.7840)  
contains.

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# Color

**YUV(196.9920, 28.5979,  
-72.7840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72E4FF
RGB	114, 228, 255
RGB Percent	45%, 89%, 100%
CMY	0.5529, 0.1059, 0.0000
CMYK	0.55, 0.11, 0.00, 0.00
HSL	191°, 100%, 72%
HSV	191°, 55%, 100%
XYZ	52.7328, 66.2842, 104.6226
YIQ	196.9920, -76.6110, -15.7710

# Conversions

## Conversions Part 2

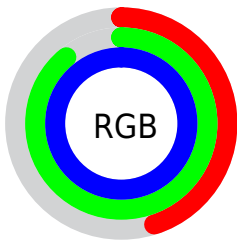
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">114, 177, 255</a>
Decimal	<a href="#">7529727</a>
CIELab	<a href="#">85.14, -25.10, -22.98</a>
CIElCh	<a href="#">85, 34.029, 222.467</a>
Yxy	<a href="#">66.2842, 0.2358, 0.2964</a>
Android (android.graphics.Color)	<a href="#">4285719807 (0xFF72E4FF)</a>
YUV	<a href="#">196.9920, 28.5979, -72.7840</a>
Hunter-Lab	<a href="#">81.4151, -26.8614, -19.2001</a>

# Details

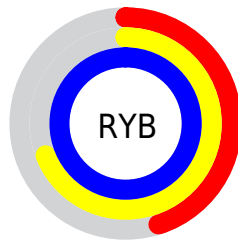
The YUV color **196.9920, 28.5979, -72.7840** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **172.0080, -28.5979, 72.7840**, and the grayscale version is **197.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **231.0800, 11.7926, -49.1822**, and **136.3930, 30.3723, -81.9057** is the 20% darker color. If you saturate the color by 10%, you get **186.5820, 33.7301, -85.5794**, and if you desaturate by 10%, it is **207.7010, 23.3184, -59.3738**.

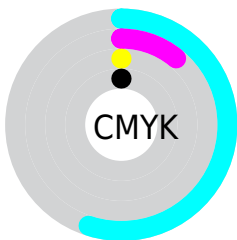
# Distribution



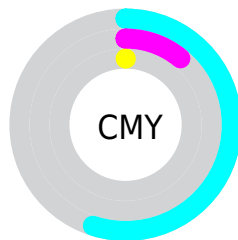
- Red (45%)
- Green (89%)
- Blue (100%)



- Red (45%)
- Yellow (69%)
- Blue (100%)



- Cyan (55%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 196.9920, 28.5979, -72.7840 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 196.9920, 28.5979, -72.7840 by changing the saturation by 10% instead.



196.9920, 28.5979,  
-72.7840

196.9920, 28.5979,  
-72.7840

255.0000, 0.0000,  
0.0000

167.6820, 28.7508,  
-75.1431

231.0800, 11.7926,  
-49.1822

136.3930, 30.3723,  
-81.9057

240.0500, 7.3704,  
-30.7388

105.1960, 32.4414,  
-92.2569

249.3190, 2.8007,  
-11.6808

86.8560, 28.1720,  
-76.1727

69.3310, 24.4868,  
-60.8033

52.3930, 20.5123,  
-45.9487

36.1560, 16.6851,

-31.7088

■ 21.9080, 12.8634,  
-19.2133

■ 3.6650, 11.5042,  
-3.2142

■ 196.9920, 28.5979,  
-72.7840

■ 196.9920, 28.5979,  
-72.7840

■ 186.5820, 33.7301,  
-85.5794

■ 207.7010, 23.3184,  
-59.3738

■ 175.8730, 39.0096,  
-98.9896

■ 218.1110, 18.1863,  
-46.5783

■ 165.1640, 44.2891,  
-112.3998

■ 228.8200, 12.9067,  
-33.1681

■ 154.7540, 49.4213,  
-125.1953

■ 239.2300, 7.7746,  
-20.3727

■ 149.9920, 51.7689,  
-131.5430

■ 249.3520, 2.7845,  
-6.4477

255.0000, 0.0000,  
0.0000

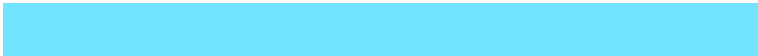
# Harmonies

## Analogous

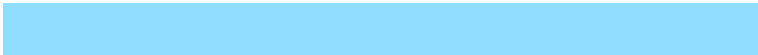
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



196.8280, 13.8888, -68.2552



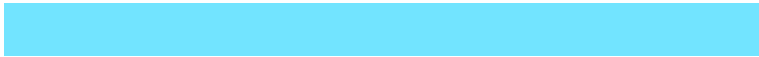
196.9920, 28.5979, -72.7840



202.1520, 26.0541, -50.1223

# Triad

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



196.9920, 28.5979, -72.7840



214.9240, 8.9115, 35.1467



209.5690, -29.8605, 10.9020

# Complementary

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



196.9920, 28.5979, -72.7840



172.0080, -28.5979, 72.7840

# 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.



212.4240, -29.7890, 34.7082



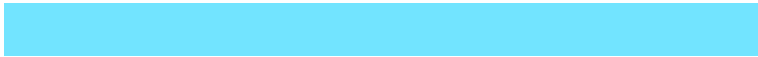
196.9920, 28.5979, -72.7840



209.9880, -4.9241, 39.4755

# Square

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



196.9920, 28.5979, -72.7840



216.4360, 19.0121, 15.4036



209.6170, -19.0382, 39.8009



205.7980, -20.6064, -17.3628

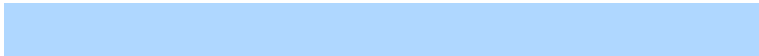


# Rectangle

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



196.9920, 28.5979, -72.7840



207.6000, 23.3682, -28.5902



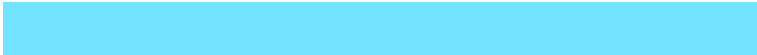
209.6170, -19.0382, 39.8009



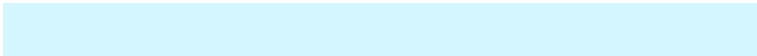
210.3960, -30.7612, 19.8237

# Sweetspot

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



196.9920, 28.5979, -72.7840



237.4470, 8.6536, -22.3170



199.7310, -29.4474, -75.1861



117.2910, 5.2795, -13.4102



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.



196.9920, 28.5979, -72.7840



185.9840, 34.0249, -86.8090



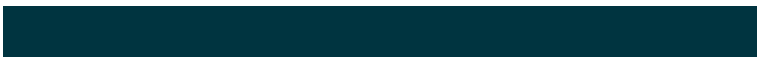
156.4890, 48.5659, -37.2629



122.3520, 2.7845, -6.4477



112.7590, 38.5728, -98.8896



37.8200, 12.9067, -33.1681



# Inverse Universe

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



169.1550, 29.0106, 75.2861



152.7360, 34.6402, 89.6855



212.5110, -48.5659, 37.2629



120.0270, 2.4517, 6.9923



74.7790, 39.5490, 101.9258



25.0640, 13.2794, 34.1469



# Previews

## White Background



This preview shows how the YUV color 196.9920, 28.5979, -72.7840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

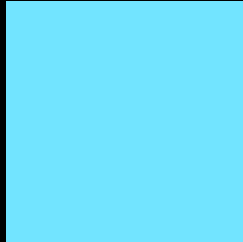
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 196.9920, 28.5979, -72.7840 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

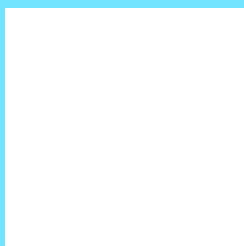
Any Text WCAG AAA ✓ Pass

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

# YUV 196.9920, 28.5979, -72.7840 Background



This preview shows how black text looks on a background with the YUV color 196.9920, 28.5979, -72.7840.



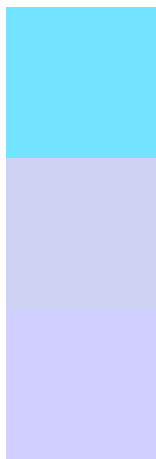
This preview shows how white text looks on a background with the YUV color 196.9920, 28.5979, -72.7840.

-72.7840.

# 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

196.9920, 28.5979, -72.7840

### Protanopia

212.5660, 15.0040, -5.7584

### Deuteranopia

212.7710, 20.8189, -4.1842



## Tritanopia

195.8840, 25.6932, -74.4433

# Trichromacy



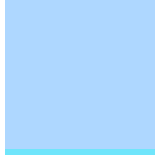
## Original Color

196.9920, 28.5979, -72.7840



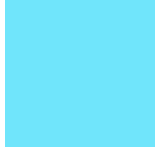
## Protanomaly

207.2640, 19.5898, -30.0495



## Deuteranomaly

207.3010, 23.5156, -29.2050



## Tritanomaly

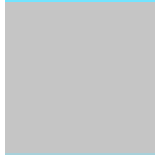
196.5250, 26.8562, -74.1284

# Monochromacy



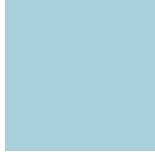
## Original Color

196.9920, 28.5979, -72.7840



## Achromatopsia

197.0000, 0.0000, 0.0000



## Achromatomaly

196.8810, 10.4117, -26.2056

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 196.9920, 28.5979, -72.7840 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(114, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 228, 255)  
}
```

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(114, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 228, 255) }
```

## Border

The CSS property to change the border of an element to YUV 196.9920, 28.5979, -72.7840 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(114, 228, 255) }
```



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

```
.border{ border-color:rgb(114, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 228, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 228, 255); box-shadow:4px 4px 4px 4px rgb(114, 228, 255) }
```

# Background

The CSS property to change the background color of an element to YUV 196.9920, 28.5979, -72.7840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 228, 255) }
```

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

```
.background{ background-color: rgb(114,  
228, 255) }
```

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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