

# Converting Colors

YUV(198.1900, 28.0073,  
-116.8076)

Have a look what the booklet for  
YUV(198.1900, 28.0073, -116.8076)  
contains.

<b>YUV(198.1900, 28.0073, -116.8076)</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(198.1900, 28.0073,  
-116.8076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	41FFFF
RGB	65, 255, 255
RGB Percent	25%, 100%, 100%
CMY	0.7451, 0.0000, 0.0000
CMYK	0.75, 0.00, 0.00, 0.00
HSL	180°, 100%, 63%
HSV	180°, 75%, 100%
XYZ	55.9900, 79.8638, 107.0720
YIQ	198.1900, -113.2400, -40.2800

# Conversions

## Conversions Part 2

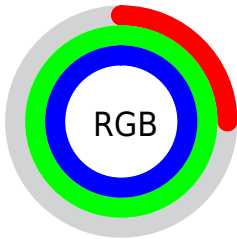
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">65, 160, 255</a>
<a href="#">Decimal</a>	<a href="#">4325375</a>
<a href="#">CIELab</a>	<a href="#">91.62, -44.75, -13.33</a>
<a href="#">CIELCh</a>	<a href="#">92, 46.696, 196.582</a>
<a href="#">Yxy</a>	<a href="#">79.8638, 0.2305, 0.3288</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4282515455 (0xFF41FFFF)</a>
<a href="#">YUV</a>	<a href="#">198.1900, 28.0073, -116.8076</a>
<a href="#">Hunter-Lab</a>	<a href="#">89.3666, -44.5576, -8.4801</a>

# Details

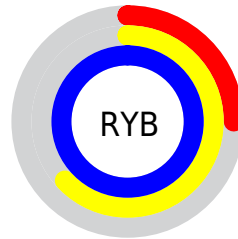
The YUV color **198.1900, 28.0073, -116.8076** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **121.8100, -28.0073, 116.8076**, and the grayscale version is **198.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **221.2130, 16.6570, -69.4698**, and **138.7980, 29.1866, -121.7258** is the 20% darker color. If you saturate the color by 10%, you get **190.4160, 31.8399, -132.7918**, and if you desaturate by 10%, it is **205.6650, 24.3222, -101.4382**.

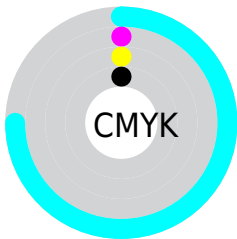
# Distribution



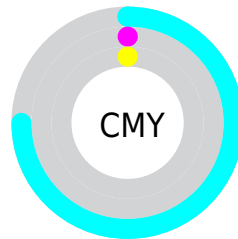
- Red (25%)
- Green (100%)
- Blue (100%)



- Red (25%)
- Yellow (63%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 198.1900, 28.0073, -116.8076 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 198.1900, 28.0073, -116.8076 by changing the saturation by 10% instead.



198.1900, 28.0073,  
-116.8076

198.1900, 28.0073,  
-116.8076

255.0000, 0.0000,  
0.0000

158.4260, 33.3140,  
-138.9396

221.2130, 16.6570,  
-69.4698

138.7980, 29.1866,  
-121.7258

231.0800, 11.7926,  
-49.1822

119.2840, 25.4960,  
-104.6121

240.9470, 6.9281,  
-28.8945

100.4710, 21.9528,  
-88.1131

250.5150, 2.2111,  
-9.2217

81.6580, 18.4096,  
-71.6141

64.1330, 14.7244,  
-56.2446

46.8360, 11.9129,

-41.0752

■ 31.3000, 8.2331,  
-27.4501

■ 10.2360, 8.7577,  
-8.9770

■ 198.1900, 28.0073,  
-116.8076

■ 198.1900, 28.0073,  
-116.8076

■ 190.4160, 31.8399,  
-132.7918

■ 205.6650, 24.3222,  
-101.4382

■ 182.9410, 35.5251,  
-148.1613

■ 213.4390, 20.4896,  
-85.4540

■ 178.7550, 37.5888,  
-156.7681

■ 221.2130, 16.6570,  
-69.4698

■ 228.6880, 12.9718,  
-54.1004

■ 236.4620, 9.1392,  
-38.1162

■ 243.9370, 5.4541,  
-22.7467

■ 251.4120, 1.7689,  
-7.3773

■ 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.



211.1960, -1.0826, -72.9629



198.1900, 28.0073, -116.8076



192.8520, 30.6390, -120.8962

# Triad

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



198.1900, 28.0073, -116.8076



228.5850, 13.0226, 23.1660



222.3880, -38.6453, 28.6007

# Complementary

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



198.1900, 28.0073, -116.8076



121.8100, -28.0073, 116.8076

# 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.



216.3190, -23.8213, 33.9232



198.1900, 28.0073, -116.8076



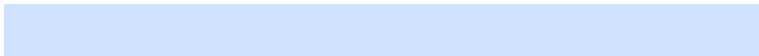
221.3130, 15.6217, 29.5435

# Square

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



198.1900, 28.0073, -116.8076



224.2120, 15.1785, -15.0949



215.5960, -3.7448, 34.5573



225.5120, -40.1854, 9.1980



# Rectangle

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



198.1900, 28.0073, -116.8076



204.2800, 25.0050, -87.0686



215.5960, -3.7448, 34.5573



220.0230, -35.0143, 30.6748

# Sweetspot

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



198.1900, 28.0073, -116.8076



238.2560, 8.2548, -34.4275



176.5300, -54.9843, -97.8118



117.8340, 5.0118, -20.9024



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.



198.1900, 28.0073, -116.8076



187.1270, 33.4614, -139.5544



142.4250, 55.4995, -67.9017



124.1130, 1.9163, -7.9921



133.8910, 28.1547, -117.4224



44.8640, 9.4340, -39.3457



# Inverse Universe

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



143.4700, 54.9843, 97.8118



121.7510, 65.6918, 116.8594



177.5750, -55.4995, 67.9017



120.3690, 3.7621, 6.6924



78.8830, 55.2737, 98.3266

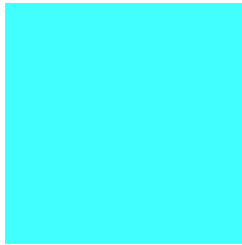


26.4320, 18.5210, 32.9471



# Previews

## White Background



This preview shows how the YUV color 198.1900, 28.0073, -116.8076 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

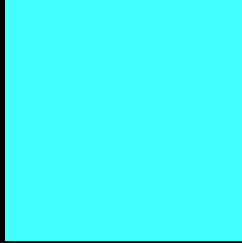
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 198.1900, 28.0073, -116.8076 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 198.1900, 28.0073, -116.8076 Background



This preview shows how black text looks on a background with the YUV color 198.1900, 28.0073, -116.8076.



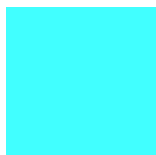
This preview shows how white text looks on a background with the YUV color 198.1900, 28.0073, -116.8076.



# Color Blindness Simulation

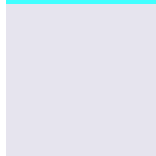
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



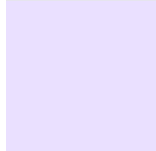
### Original Color

198.1900, 28.0073, -116.8076



### Protanopia

229.7380, 4.0732, 0.2298



### Deuteranopia

230.5240, 12.0667, 3.0485



**Tritanopia**

220.7470, 16.8867, -49.7671

# Trichromacy



## Original Color

198.1900, 28.0073, -116.8076



## Protanomaly

218.3520, 12.6445, -42.4047



## Deuteranomaly

218.7420, 17.8752, -40.1157



## Tritanomaly

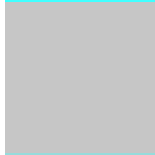
212.3310, 21.0358, -73.9583

# Monochromacy



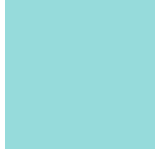
## Original Color

198.1900, 28.0073, -116.8076



## Achromatopsia

198.0000, 0.0000, 0.0000



## Achromatomaly

198.3690, 10.1711, -42.4196

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 198.1900, 28.0073, -116.8076 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(65, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(65, 255, 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(65, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 255, 255) }
```

## Border

The CSS property to change the border of an element to YUV 198.1900, 28.0073, -116.8076 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(65, 255, 255) }
```



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

```
.border{ border-color:rgb(65, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(65, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 198.1900, 28.0073, -116.8076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 255, 255) }
```

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

```
.background{ background-color: rgb(65, 255,  
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](#).

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