

# Converting Colors

YUV(188.5960, 18.9332,  
-99.6237)

Have a look what the booklet for  
YUV(188.5960, 18.9332, -99.6237)  
contains.

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# Color

**YUV(188.5960, 18.9332,  
-99.6237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BEFE3
RGB	75, 239, 227
RGB Percent	29%, 94%, 89%
CMY	0.7059, 0.0627, 0.1098
CMYK	0.69, 0.00, 0.05, 0.06
HSL	176°, 84%, 62%
HSV	176°, 69%, 94%
XYZ	47.6333, 68.7749, 83.4374
YIQ	188.5960, -93.8920, -38.5000

# Conversions

## Conversions Part 2

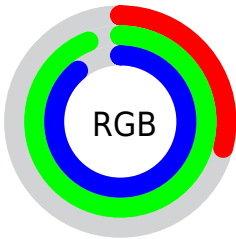
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 160, 239
Decimal	4976611
CIELab	86.39, -44.19, -6.48
CIELCh	86, 44.664, 188.343
Yxy	68.7749, 0.2384, 0.3441
Android (android.graphics.Color)	4283166691 (0xFF4BEFE3)
YUV	188.5960, 18.9332, -99.6237
Hunter-Lab	82.9306, -42.6027, -1.6008

# Details

The YUV color **188.5960, 18.9332, -99.6237** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **125.4040, -18.9332, 99.6237**, and the grayscale version is **188.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **221.8110, 16.3622, -68.2402**, and **126.4420, 22.4601, -110.8896** is the 20% darker color. If you saturate the color by 10%, you get **181.1920, 21.5973, -114.1784**, and if you desaturate by 10%, it is **196.0000, 16.2690, -85.0690**.

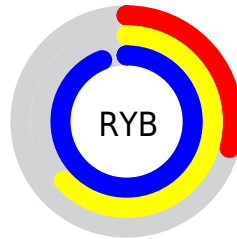
# Distribution



Red (29%)

Green (94%)

Blue (89%)



Red (29%)

Yellow (63%)

Blue (94%)

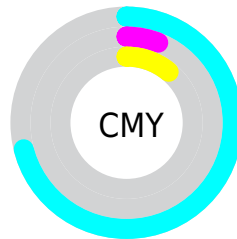


Cyan (69%)

Magenta (0%)

Yellow (5%)

Black (6%)



Cyan (71%)

Magenta (6%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 188.5960, 18.9332, -99.6237 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 188.5960, 18.9332, -99.6237 by changing the saturation by 10% instead.



188.5960, 18.9332,  
-99.6237

188.5960, 18.9332,  
-99.6237

255.0000, 0.0000,  
0.0000

152.2350, 23.0551,  
-115.0931

221.8110, 16.3622,  
-68.2402

126.4420, 22.4601,  
-110.8896

231.3790, 11.6452,  
-48.5674

107.5150, 18.4801,  
-94.2907

240.6480, 7.0755,  
-29.5093

88.8160, 15.3737,  
-77.8916

249.9170, 2.5059,  
-10.4512

70.7040, 11.9779,  
-62.0074

53.2930, 8.7296,  
-46.7380

36.6970, 6.0654,

-32.1833

■ 21.3890, 3.2592,  
-18.7582

■ 0.1140, 0.4368,  
-0.1000

■ 188.5960, 18.9332,  
-99.6237

■ 188.5960, 18.9332,  
-99.6237

■ 181.1920, 21.5973,  
-114.1784

■ 196.0000, 16.2690,  
-85.0690

■ 173.9020, 24.6983,  
-128.8331

■ 203.2900, 13.1680,  
-70.4143

■ 166.4980, 27.3625,  
-143.3877

■ 210.6940, 10.5039,  
-55.8596

■ 165.6010, 27.8047,  
-145.2321

■ 218.0980, 7.8397,  
-41.3049

■ 225.5020, 5.1755,  
-26.7503

■ 232.4930, 2.2220,  
-12.7104

■ 239.8970, -0.4422,  
1.8443

■ 244.0120, -1.4849,  
9.6365

■ 244.2400, -0.6113,  
9.4365

# Harmonies

## Analogous

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



199.5740, -7.6780, -57.5084



188.5960, 18.9332, -99.6237



178.9530, 37.4912, -125.3698

# Triad

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



188.5960, 18.9332, -99.6237



217.9200, 18.2804, 16.7332



211.1380, -36.0570, 38.4670

# Complementary

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



188.5960, 18.9332, -99.6237



125.4040, -18.9332, 99.6237

# 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.



206.6990, -20.0646, 42.3600



188.5960, 18.9332, -99.6237



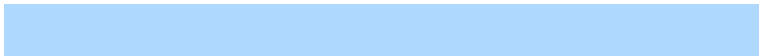
214.8730, 16.3316, 35.1914

# Square

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



188.5960, 18.9332, -99.6237



208.1870, 23.0788, -29.1050



207.1500, -0.5670, 41.9644



211.9800, -39.9231, 18.4345



# Rectangle

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



188.5960, 18.9332, -99.6237



187.6790, 33.1893, -98.8195



207.1500, -0.5670, 41.9644



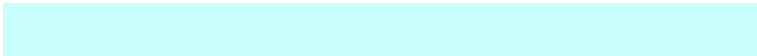
209.0010, -31.5525, 40.3411

# Sweetspot

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



188.5960, 18.9332, -99.6237



238.3980, 6.2128, -32.7980



175.4540, -49.5238, -75.8202



118.0900, 3.4066, -19.3729



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.



188.5960, 18.9332, -99.6237



190.7990, 24.2561, -126.9887



150.0480, 43.8533, -65.8171



116.2980, 1.3321, -7.2773



127.3880, 21.0077, -111.7193



38.8000, 6.5076, -34.0276



# Inverse Universe

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



125.4040, -18.9332, 99.6237



110.2010, -24.2561, 126.9887



163.9520, -43.8533, 65.8171



111.7020, -1.3321, 7.2773



56.4980, -21.4445, 111.8193

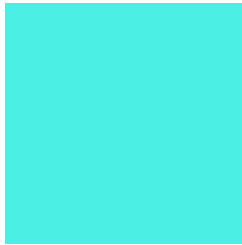


17.2000, -6.5076, 34.0276



# Previews

## White Background



This preview shows how the YUV color 188.5960, 18.9332, -99.6237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

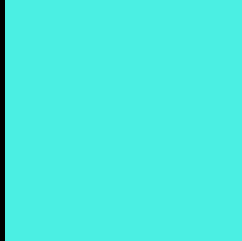
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 188.5960, 18.9332, -99.6237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

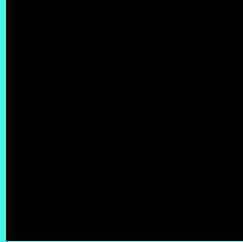
Any Text WCAG AA ✓ Pass

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 188.5960, 18.9332, -99.6237 Background



This preview shows how black text looks on a background with the YUV color 188.5960, 18.9332, -99.6237.



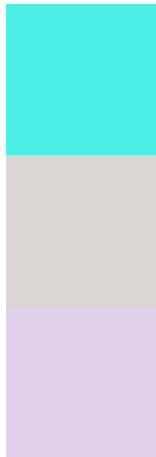
This preview shows how white text looks on a background with the YUV color 188.5960, 18.9332, -99.6237.

-99.6237.

# 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

188.5960, 18.9332, -99.6237

### Protanopia

214.6800, -1.3212, 3.7886

### Deuteranopia

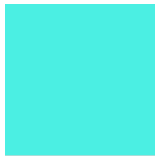
216.3460, 8.7034, 8.4666



## Tritanopia

193.5120, 29.8206, -91.6570

# Trichromacy



## Original Color

188.5960, 18.9332, -99.6237



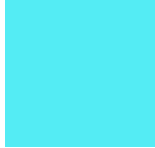
## Protanomaly

204.9850, 5.9234, -33.3128



## Deuteranomaly

206.0160, 12.3171, -30.7090



## Tritanomaly

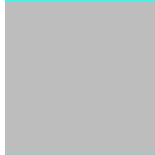
191.4640, 25.9002, -94.2459

# Monochromacy



## Original Color

188.5960, 18.9332, -99.6237



## Achromatopsia

189.0000, 0.0000, 0.0000



## Achromatomaly

188.9030, 6.9498, -35.8719

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 188.5960, 18.9332, -99.6237 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(75, 239, 227)` looks like.

```
.text, #text, p{  
    color:rgb(75, 239, 227)  
}
```

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(75, 239, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 239, 227) }
```

## Border

The CSS property to change the border of an element to YUV 188.5960, 18.9332, -99.6237 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(75, 239, 227) }
```



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

```
.border{ border-color:rgb(75, 239, 227) }
```

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

Here you see how a box with a 4 pixel rgb(75, 239, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 239, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 239, 227);  
box-shadow:4px 4px 4px 4px rgb(75, 239,  
227) }
```

# Background

The CSS property to change the background color of an element to YUV 188.5960, 18.9332, -99.6237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 239, 227) }
```

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

```
.background{ background-color: rgb(75, 239,  
227) }
```

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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