

# Converting Colors

YUV(133.5160, 20.4516,  
-73.2435)

Have a look what the booklet for  
YUV(133.5160, 20.4516, -73.2435)  
contains.

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# Color

**YUV(133.5160, 20.4516,  
-73.2435)**

# Conversions

## Conversions Part 1

Format	Color
Hex	32A8AF
RGB	50, 168, 175
RGB Percent	20%, 66%, 69%
CMY	0.8039, 0.3412, 0.3137
CMYK	0.71, 0.04, 0.00, 0.31
HSL	183°, 56%, 44%
HSV	183°, 71%, 69%
XYZ	23.0559, 31.7785, 45.4761
YIQ	133.5160, -72.5750, -22.8390

# Conversions

## Conversions Part 2

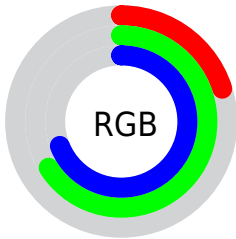
Format	Color
<a href="#">RYB</a>	<a href="#">50, 111, 175</a>
Decimal	<a href="#">3319983</a>
CIELab	<a href="#">63.16, -29.37, -13.02</a>
CIELCh	<a href="#">63, 32.129, 203.900</a>
Yxy	<a href="#">31.7785, 0.2298, 0.3168</a>
Android (android.graphics.Color)	<a href="#">4281510063 (0xFF32A8AF)</a>
YUV	<a href="#">133.5160, 20.4516, -73.2435</a>
Hunter-Lab	<a href="#">56.3724, -25.6467, -8.3690</a>

# Details

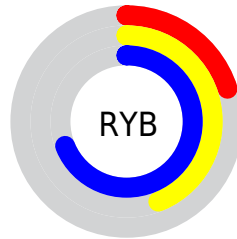
The YUV color **133.5160, 20.4516, -73.2435** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **91.4840, -20.4516, 73.2435**, and the grayscale version is **133.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **192.2070, 19.1249, -67.7105**, and **81.5270, 20.4462, -71.4992** is the 20% darker color. If you saturate the color by 10%, you get **127.8460, 23.2469, -83.1799**, and if you desaturate by 10%, it is **139.4850, 17.5089, -62.6923**.

# Distribution



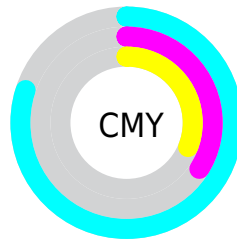
- Red (20%)
- Green (66%)
- Blue (69%)



- Red (20%)
- Yellow (44%)
- Blue (69%)



- Cyan (71%)
- Magenta (4%)
- Yellow (0%)
- Black (31%)



- Cyan (80%)
- Magenta (34%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 133.5160, 20.4516, -73.2435 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 133.5160, 20.4516, -73.2435 by changing the saturation by 10% instead.



■ 133.5160, 20.4516,  
-73.2435

■ 133.5160, 20.4516,  
-73.2435

■ 255.0000, 0.0000,  
0.0000

■ 99.6390, 23.8420,  
-87.3834

■ 192.2070, 19.1249,  
-67.7105

■ 81.5270, 20.4462,  
-71.4992

■ 220.3490, 17.0829,  
-66.0811

■ 64.0020, 16.7610,  
-56.1298

■ 230.7810, 11.9400,  
-49.7969

■ 47.1780, 13.2232,  
-41.3751

■ 239.7510, 7.5178,  
-31.3536

■ 31.6420, 9.5435,  
-27.7500

■ 248.7210, 3.0955,  
-12.9103

■ 15.1600, 7.3161,  
-13.2953

■ 0.3420, 1.3104,

-0.2999

■ 0.0000, 0.0000,  
0.0000

■ 133.5160, 20.4516,  
-73.2435

■ 133.5160, 20.4516,  
-73.2435

■ 127.8460, 23.2469,  
-83.1799

■ 139.4850, 17.5089,  
-62.6923

■ 121.8770, 26.1896,  
-93.7311

■ 145.1550, 14.7136,  
-52.7559

■ 116.8050, 28.6901,  
-102.4380

■ 150.8250, 11.9183,  
-42.8195

■ 156.7940, 8.9756,  
-32.2683

■ 162.7630, 6.0328,  
-21.7172

■ 168.4330, 3.2375,  
-11.7807

■ 174.1030, 0.4422,  
-1.8443

■ 180.0720, -2.5005,  
8.7069

■ 186.0410, -5.4432,  
19.2580

# Harmonies

## Analogous

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



139.1800, 3.3623, -51.9009



133.5160, 20.4516, -73.2435



136.7800, 30.1815, -67.3361

# Triad

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



133.5160, 20.4516, -73.2435



157.3400, 14.6224, 23.3808



151.6290, -27.4251, 23.1274

# Complementary

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



133.5160, 20.4516, -73.2435



91.4840, -20.4516, 73.2435

# 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.



153.4060, -22.3852, 39.9859



133.5160, 20.4516, -73.2435



156.1330, 1.9064, 41.9794

# Square

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



133.5160, 20.4516, -73.2435



154.4980, 24.8975, -5.6987



154.9090, -11.7871, 47.4378



148.6970, -24.0076, 0.2657



# Rectangle

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



133.5160, 20.4516, -73.2435



143.8300, 31.1428, -48.9629



154.9090, -11.7871, 47.4378



152.4880, -26.8626, 29.3900

# Sweetspot

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



133.5160, 20.4516, -73.2435



210.8870, 7.9437, -27.9649



124.0590, -33.5531, -64.9497



105.1550, 4.8536, -16.7989



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000



# Same Dimension

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



133.5160, 20.4516, -73.2435



162.2380, 31.9277, -114.2187



97.1220, 38.3939, -41.3260



83.7220, 1.6161, -5.0182



100.4540, 24.4262, -88.0982



15.5360, 3.6798, -13.6251



# Inverse Universe

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



100.8270, 33.1163, 65.0497



111.2810, 51.6265, 101.4856



127.8780, -38.3939, 41.3260



81.6030, 2.1677, 4.7332



61.0380, 39.9143, 78.0197



9.3850, 6.2192, 11.9404



# Previews

## White Background



This preview shows how the YUV color 133.5160, 20.4516, -73.2435 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 133.5160, 20.4516, -73.2435 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

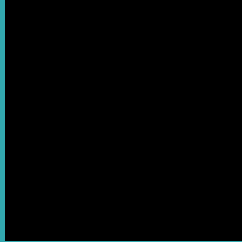
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 133.5160, 20.4516, -73.2435

## Background



This preview shows how black text looks on a background with the YUV color 133.5160, 20.4516, -73.2435.



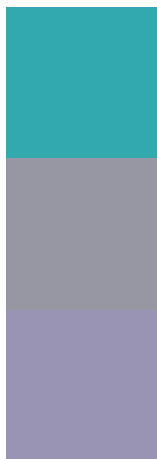
This preview shows how white text looks on a background with the YUV color 133.5160, 20.4516, -73.2435.

-73.2435.

# 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

133.5160, 20.4516, -73.2435

### Protanopia

152.4820, 5.6784, -1.2997

### Deuteranopia

153.0290, 12.8037, -0.0254



## Tritanopia

134.8090, 22.7722, -70.8695

# Trichromacy



## Original Color

133.5160, 20.4516, -73.2435

## Protanomaly

145.3970, 11.1433, -27.5352

## Deuteranomaly

145.9610, 15.7952, -26.2758

## Tritanomaly

134.2820, 22.0460, -71.2843

# Monochromacy



## Original Color

133.5160, 20.4516, -73.2435

## Achromatopsia

134.0000, 0.0000, 0.0000

## Achromatomaly

133.4850, 7.6489, -26.7353

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 133.5160, 20.4516, -73.2435 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(50, 168, 175)` looks like.

```
.text, #text, p{  
    color:rgb(50, 168, 175)  
}
```

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(50, 168, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 168, 175) }
```

## Border

The CSS property to change the border of an element to YUV 133.5160, 20.4516, -73.2435 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(50, 168, 175) }
```



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

```
.border{ border-color:rgb(50, 168, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 168, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 168, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 168, 175);  
box-shadow:4px 4px 4px 4px rgb(50, 168,  
175) }
```

# Background

The CSS property to change the background color of an element to YUV 133.5160, 20.4516, -73.2435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 168, 175) }
```

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

```
.background{ background-color: rgb(50, 168,  
175) }
```

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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