

# Converting Colors

YUV(120.8870, 34.5657,  
-73.5689)

Have a look what the booklet for  
YUV(120.8870, 34.5657, -73.5689)  
contains.

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# Color

**YUV(120.8870, 34.5657,  
-73.5689)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2596BF
RGB	37, 150, 191
RGB Percent	15%, 59%, 75%
CMY	0.8549, 0.4118, 0.2510
CMYK	0.81, 0.21, 0.00, 0.25
HSL	196°, 68%, 45%
HSV	196°, 81%, 75%
XYZ	21.0733, 25.9676, 53.1918
YIQ	120.8870, -80.5090, -11.2050

# Conversions

## Conversions Part 2

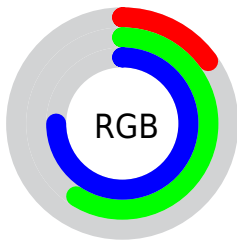
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	37, 102, 191
Decimal	2463423
CIE <sub>Lab</sub>	58.01, -16.37, -29.92
CIE <sub>LCh</sub>	58, 34.105, 241.315
Yxy	25.9676, 0.2102, 0.2591
Android (android.graphics.Color)	4280653503 (0xFF2596BF)
YUV	120.8870, 34.5657, -73.5689
Hunter-Lab	50.9584, -15.3606, -26.2176

# Details

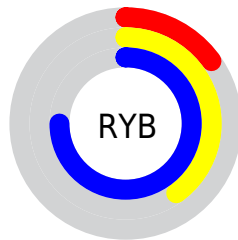
The YUV color **120.8870, 34.5657, -73.5689** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **107.1130, -34.5657, 73.5689**, and the grayscale version is **121.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **180.3120, 33.3702, -63.4176**, and **73.7310, 31.1916, -64.6621** is the 20% darker color. If you saturate the color by 10%, you get **112.2710, 38.8134, -82.6757**, and if you desaturate by 10%, it is **129.5030, 30.3180, -64.4621**.

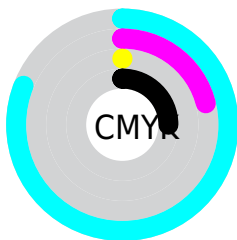
# Distribution



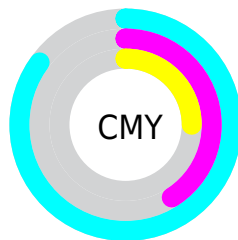
- Red (15%)
- Green (59%)
- Blue (75%)



- Red (15%)
- Yellow (40%)
- Blue (75%)



- Cyan (81%)
- Magenta (21%)
- Yellow (0%)
- Black (25%)



- Cyan (85%)
- Magenta (41%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 120.8870, 34.5657, -73.5689 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 120.8870, 34.5657, -73.5689 by changing the saturation by 10% instead.



120.8870, 34.5657,  
-73.5689

120.8870, 34.5657,  
-73.5689

255.0000, 0.0000,  
0.0000

91.4840, 35.7504,  
-80.2315

180.3120, 33.3702,  
-63.4176

73.7310, 31.1916,  
-64.6621

206.5160, 23.9026,  
-60.0885

56.7930, 27.2171,  
-49.8075

228.9870, 12.8244,  
-53.4856

40.4420, 22.9531,  
-35.4676

237.9570, 8.4022,  
-35.0423

26.0800, 18.6946,  
-22.8722

247.2260, 3.8326,  
-15.9842

6.5490, 17.4773,  
-5.7435

2.8670, 8.4466,

-2.5144

■ 0.0000, 0.0000,  
0.0000

■ 120.8870, 34.5657,  
-73.5689

■ 120.8870, 34.5657,  
-73.5689

■ 112.2710, 38.8134,  
-82.6757

■ 129.5030, 30.3180,  
-64.4621

■ 103.9540, 42.9137,  
-91.1677

■ 138.1190, 26.0703,  
-55.3554

■ 146.7350, 21.8226,  
-46.2486

■ 155.3510, 17.5750,  
-37.1418

■ 163.9670, 13.3273,  
-28.0351

■ 173.4690, 8.6428,  
-18.8283

■ 182.0850, 4.3951,  
-9.7215

■ 190.7010, 0.1474,  
-0.6148

■ 199.3170, -4.1003,  
8.4920

# Harmonies

## Analogous

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



109.6640, 29.2526, -96.1753



120.8870, 34.5657, -73.5689



135.0430, 31.5308, -33.3637

# Triad

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



120.8870, 34.5657, -73.5689



142.2430, -1.5988, 46.2679



133.8810, -23.1123, -6.9116

# Complementary

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



120.8870, 34.5657, -73.5689



107.1130, -34.5657, 73.5689

# 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.



136.9550, -28.5718, 17.5795



120.8870, 34.5657, -73.5689



140.9970, -15.2815, 48.2376

# Square

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



120.8870, 34.5657, -73.5689



143.5150, 12.5641, 30.2433



139.5860, -25.4319, 37.1971



129.2610, -9.4957, -34.4319



# Rectangle

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



120.8870, 34.5657, -73.5689



140.3450, 26.9449, -9.0726



139.5860, -25.4319, 37.1971



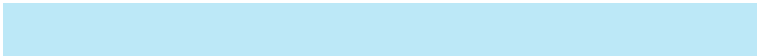
134.9530, -25.6128, 1.7952

# Sweetspot

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



120.8870, 34.5657, -73.5689



220.5540, 13.0379, -28.5499



131.8440, -27.5311, -83.1782



108.3660, 8.2006, -16.9840



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



120.8870, 34.5657, -73.5689



137.6720, 53.8987, -114.5993



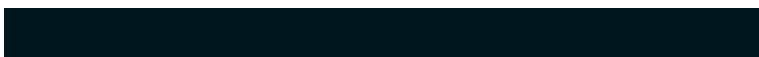
77.4490, 55.9806, -35.4738



90.1350, 1.9054, -4.5034



86.1040, 35.4447, -75.5132



16.4480, 7.1741, -14.4249



# Inverse Universe

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



95.9280, 26.6575, 83.3781



98.8240, 41.4988, 129.9504



151.1380, -56.2700, 34.9590



88.4890, 1.7309, 4.8331



60.4660, 27.3783, 85.5373



11.7770, 5.0399, 16.8586



# Previews

## White Background



This preview shows how the YUV color 120.8870, 34.5657, -73.5689 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 120.8870, 34.5657, -73.5689 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

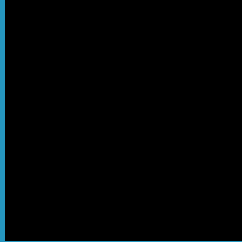
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 120.8870, 34.5657, -73.5689

## Background



This preview shows how black text looks on a background with the YUV color 120.8870, 34.5657, -73.5689.



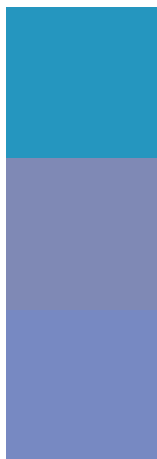
This preview shows how white text looks on a background with the YUV color 120.8870, 34.5657, -73.5689.



# 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

120.8870, 34.5657, -73.5689

### Protanopia

139.0260, 20.6932, -10.5468

### Deuteranopia

138.1160, 27.5508, -16.7647

# Trichromacy



## Original Color

120.8870, 34.5657, -73.5689

## Protanomaly

132.5500, 25.8579, -33.8083

## Deuteranomaly

131.9670, 30.0893, -37.6821

# Monochromacy



## Original Color

120.8870, 34.5657, -73.5689

## Achromatopsia

121.0000, 0.0000, 0.0000

## Achromatomaly

121.0380, 12.3063, -27.2203

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 120.8870, 34.5657, -73.5689 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(37, 150, 191)` looks like.

```
.text, #text, p{  
    color:rgb(37, 150, 191)  
}
```

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(37, 150, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 150, 191) }
```

## Border

The CSS property to change the border of an element to YUV 120.8870, 34.5657, -73.5689 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(37, 150, 191) }
```

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

```
.border{ border-color:rgb(37, 150, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 150, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 150, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 150, 191);  
box-shadow:4px 4px 4px 4px rgb(37, 150,  
191) }
```



# Background

The CSS property to change the background color of an element to YUV 120.8870, 34.5657, -73.5689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 150, 191) }
```

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

```
.background{ background-color: rgb(37, 150,  
191) }
```

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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