

# Converting Colors

YUV(129.0580, 45.3274,  
-71.9649)

Have a look what the booklet for  
YUV(129.0580, 45.3274, -71.9649)  
contains.

<b>YUV(129.0580, 45.3274, -71.9649)</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(129.0580, 45.3274,  
-71.9649)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F99DD
RGB	47, 153, 221
RGB Percent	18%, 60%, 87%
CMY	0.8157, 0.4000, 0.1333
CMYK	0.79, 0.31, 0.00, 0.13
HSL	203°, 72%, 53%
HSV	203°, 79%, 87%
XYZ	25.6147, 28.6073, 72.5783
YIQ	129.0580, -85.0040, -1.3240

# Conversions

## Conversions Part 2

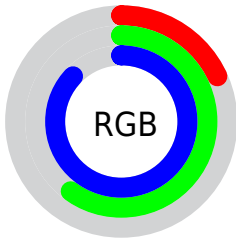
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	47, 113, 221
Decimal	3119581
CIE <sub>Lab</sub>	60.43, -6.49, -42.93
CIE <sub>LCh</sub>	60, 43.414, 261.401
Yxy	28.6073, 0.2020, 0.2256
Android (android.graphics.Color)	4281309661 (0xFF2F99DD)
YUV	129.0580, 45.3274, -71.9649
Hunter-Lab	53.4858, -8.1153, -43.0145

# Details

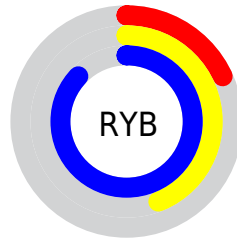
The YUV color **129.0580, 45.3274, -71.9649** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **138.9420, -45.3274, 71.9649**, and the grayscale version is **129.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **186.1600, 33.9381, -58.8993**, and **78.7980, 42.9906, -69.1058** is the 20% darker color. If you saturate the color by 10%, you get **117.1970, 51.1749, -80.8568**, and if you desaturate by 10%, it is **140.9190, 39.4799, -63.0730**.

# Distribution



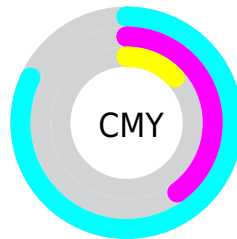
- Red (18%)
- Green (60%)
- Blue (87%)



- Red (18%)
- Yellow (44%)
- Blue (87%)



- Cyan (79%)
- Magenta (31%)
- Yellow (0%)
- Black (13%)



- Cyan (82%)
- Magenta (40%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 129.0580, 45.3274, -71.9649 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 129.0580, 45.3274, -71.9649 by changing the saturation by 10% instead.



■ 129.0580, 45.3274,  
-71.9649

■ 129.0580, 45.3274,  
-71.9649

■ 255.0000, 0.0000,  
0.0000

■ 96.5510, 47.5494,  
-84.6752

■ 186.1600, 33.9381,  
-58.8993

■ 78.7980, 42.9906,  
-69.1058

■ 211.8650, 21.2656,  
-54.2556

■ 62.2190, 37.8530,  
-54.5661

■ 232.5750, 11.0555,  
-46.1083

■ 45.7540, 33.1523,  
-40.1263

■ 241.8440, 6.4859,  
-27.0502

■ 30.5770, 28.3095,  
-26.8160

■ 251.1130, 1.9163,  
-7.9921

■ 13.1660, 25.0612,  
-11.5466

■ 6.5490, 17.4773,

-5.7435

■ 2.8670, 8.4466,  
-2.5144

■ 0.0000, 0.0000,  
0.0000

■ 129.0580, 45.3274,  
-71.9649

■ 129.0580, 45.3274,  
-71.9649

■ 117.1970, 51.1749,  
-80.8568

■ 140.9190, 39.4799,  
-63.0730

■ 105.9230, 56.7330,  
-90.2635

■ 152.1930, 33.9219,  
-53.6663

■ 104.4390, 57.4646,  
-91.5930

■ 164.0540, 28.0744,  
-44.7744

■ 175.9150, 22.2269,  
-35.8825

■ 187.1890, 16.6688,  
-26.4758

■ 199.3490, 10.6739,  
-16.9691

■ 210.6230, 5.1159,  
-7.5624

■ 222.4840, -0.7316,  
1.3295

■ 234.3450, -6.5791,  
10.2214

# Harmonies

## Analogous

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



117.8770, 42.9516, -103.3781



129.0580, 45.3274, -71.9649



146.0870, 34.9601, -13.2313

# Triad

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



129.0580, 45.3274, -71.9649



146.3670, -12.9989, 62.8221



133.8670, -18.6684, -32.3324

# Complementary

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



129.0580, 45.3274, -71.9649



138.9420, -45.3274, 71.9649

# 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.



139.8900, -33.4698, 1.8505



129.0580, 45.3274, -71.9649



145.1750, -28.6803, 52.4665

# Square

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



129.0580, 45.3274, -71.9649



148.6060, 4.6312, 54.7195



143.1540, -37.0509, 30.5599



117.6980, 7.5439, -86.5581



# Rectangle

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



129.0580, 45.3274, -71.9649



149.6840, 26.2848, 16.0631



143.1540, -37.0509, 30.5599



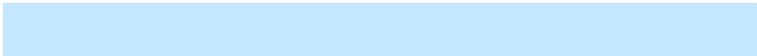
136.3370, -24.8161, -20.4665

# Sweetspot

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



129.0580, 45.3274, -71.9649



222.6730, 15.9372, -25.1462



156.7760, -21.0886, -96.2736



108.1320, 9.7949, -15.0248



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

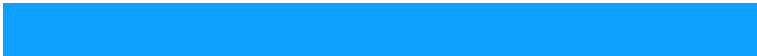


# Same Dimension

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



129.0580, 45.3274, -71.9649



128.0620, 62.5804, -99.1554



78.5760, 70.2150, -27.6922



103.7760, 3.0684, -4.1886



81.9440, 44.8906, -71.8649



21.6800, 11.9898, -19.0134



# Inverse Universe

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



111.1100, 20.6518, 96.3735



103.4040, 28.3948, 132.9497



189.4240, -70.2150, 27.6922



102.9730, 0.9993, 6.1627



63.8110, 20.7992, 95.7588



16.9460, 5.4496, 25.4804



# Previews

## White Background



This preview shows how the YUV color 129.0580, 45.3274, -71.9649 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 129.0580, 45.3274, -71.9649 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

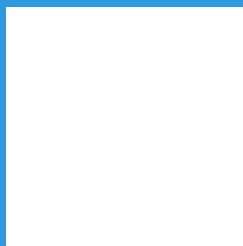
Any Text WCAG AAA × Fail

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

# YUV 129.0580, 45.3274, -71.9649 Background



This preview shows how black text looks on a background with the YUV color 129.0580, 45.3274, -71.9649.



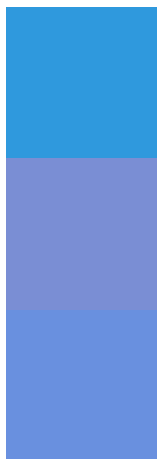
This preview shows how white text looks on a background with the YUV color 129.0580, 45.3274, -71.9649.



# 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

129.0580, 45.3274, -71.9649

### Protanopia

144.0000, 33.5240, -19.2940

### Deuteranopia

141.3450, 40.2559, -31.8746



## Tritanopia

114.2290, 28.9741, -100.1788

# Trichromacy



## Original Color

129.0580, 45.3274, -71.9649

## Protanomaly

138.6170, 37.6568, -38.2521

## Deuteranomaly

136.7130, 42.0465, -46.2293

## Tritanomaly

119.4890, 34.7619, -89.8829

# Monochromacy



## Original Color

129.0580, 45.3274, -71.9649

## Achromatopsia

129.0000, 0.0000, 0.0000

## Achromatomaly

129.0750, 16.2320, -26.3758

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 129.0580, 45.3274, -71.9649 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(47, 153, 221)` looks like.

```
.text, #text, p{  
    color:rgb(47, 153, 221)  
}
```

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(47, 153, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 153, 221) }
```

## Border

The CSS property to change the border of an element to YUV 129.0580, 45.3274, -71.9649 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(47, 153, 221) }
```



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

```
.border{ border-color:rgb(47, 153, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 153, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 153, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 153, 221);  
box-shadow:4px 4px 4px 4px rgb(47, 153,  
221) }
```

# Background

The CSS property to change the background color of an element to YUV 129.0580, 45.3274, -71.9649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 153, 221) }
```

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

```
.background{ background-color: rgb(47, 153,  
221) }
```

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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