

# Converting Colors

YUV(212.2170, 20.5990,  
-73.8583)

Have a look what the booklet for  
YUV(212.2170, 20.5990, -73.8583)  
contains.

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# Color

**YUV(212.2170, 20.5990,  
-73.8583)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80F7FE
RGB	128, 247, 254
RGB Percent	50%, 97%, 100%
CMY	0.4980, 0.0314, 0.0039
CMYK	0.50, 0.03, 0.00, 0.00
HSL	183°, 98%, 75%
HSV	183°, 50%, 100%
XYZ	60.0522, 78.2665, 105.7078
YIQ	212.2170, -73.1710, -23.0510

# Conversions

## Conversions Part 2

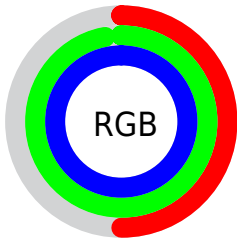
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 189, 254
Decimal	8452094
CIE <sub>Lab</sub>	90.90, -31.74, -13.72
CIE <sub>LCh</sub>	91, 34.579, 203.384
Yxy	78.2665, 0.2461, 0.3207
Android (android.graphics.Color)	4286642174 (0xFF80F7FE)
<b>YUV</b>	212.2170, 20.5990, -73.8583
Hunter-Lab	88.4683, -33.6539, -8.9157

# Details

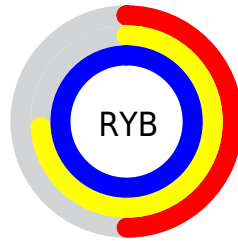
The YUV color **212.2170, 20.5990, -73.8583** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **169.7830, -20.5990, 73.8583**, and the grayscale version is **212.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **234.9670, 9.8763, -41.1901**, and **152.8250, 21.7783, -78.7765** is the 20% darker color. If you saturate the color by 10%, you get **204.1550, 24.5736, -88.7129**, and if you desaturate by 10%, it is **220.2790, 16.6245, -59.0037**.

# Distribution



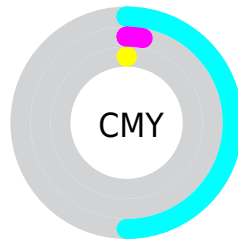
- Red (50%)
- Green (97%)
- Blue (100%)



- Red (50%)
- Yellow (74%)
- Blue (100%)



- Cyan (50%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 212.2170, 20.5990, -73.8583 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 212.2170, 20.5990, -73.8583 by changing the saturation by 10% instead.



212.2170, 20.5990,  
-73.8583

212.2170, 20.5990,  
-73.8583

255.0000, 0.0000,  
0.0000

182.6190, 20.8938,  
-75.0879

234.9670, 9.8763,  
-41.1901

152.8250, 21.7783,  
-78.7765

244.2360, 5.3067,  
-22.1320

118.0510, 25.6109,  
-94.7607

253.2060, 0.8844,  
-3.6887

96.2480, 23.5417,  
-84.4095

78.6090, 19.4198,  
-68.9401

61.0840, 15.7346,  
-53.5707

44.3740, 12.6336,

-38.9160

■ 28.8380, 8.9539,  
-25.2909

■ 7.7740, 9.4784,  
-6.8178

■ 212.2170, 20.5990,  
-73.8583

■ 212.2170, 20.5990,  
-73.8583

■ 204.1550, 24.5736,  
-88.7129

■ 220.2790, 16.6245,  
-59.0037

■ 195.2070, 28.9849,  
-103.6675

■ 229.2270, 12.2131,  
-44.0491

■ 187.1450, 32.9595,  
-118.5222

■ 237.2890, 8.2385,  
-29.1945

■ 178.1970, 37.3709,  
-133.4768

■ 246.2370, 3.8272,  
-14.2398

■ 170.1350, 41.3454, 254.2990, -0.1474,  
-148.3314 0.6148

■ 169.8360, 41.4929, 254.8860, -0.4368,  
-148.9462 0.1000

# Harmonies

## Analogous

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



215.2180, 2.3575, -56.3192



212.2170, 20.5990, -73.8583



212.6740, 20.8667, -66.3661

# Triad

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



212.2170, 20.5990, -73.8583



229.7590, 12.4438, 22.1364



226.3150, -31.2143, 25.1567

# Complementary

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



212.2170, 20.5990, -73.8583



169.7830, -20.5990, 73.8583

# 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.



221.4540, -21.9158, 29.4198



212.2170, 20.5990, -73.8583



223.7120, 7.0440, 27.4396

# Square

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



212.2170, 20.5990, -73.8583



226.9470, 13.8301, -2.5845



220.4230, -8.0965, 30.3240



224.6710, -27.9388, 1.1655

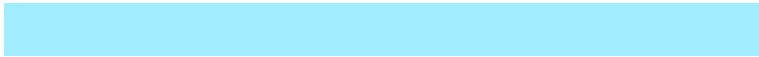


# Rectangle

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



212.2170, 20.5990, -73.8583



216.3280, 19.0653, -48.5227



220.4230, -8.0965, 30.3240



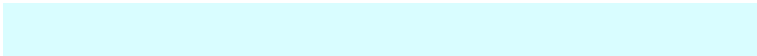
224.8960, -29.0357, 26.4012

# Sweetspot

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



212.2170, 20.5990, -73.8583



242.4640, 6.1802, -22.3319



202.6460, -33.8425, -65.4645



119.9490, 3.9691, -13.1103



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.



212.2170, 20.5990, -73.8583



204.5570, 24.8684, -89.9425



175.8230, 38.5413, -41.9408



123.5260, 2.2057, -7.4773



128.0210, 31.0486, -112.2744



42.5160, 10.5916, -37.2865



# Inverse Universe

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



179.2400, 33.4057, 65.5645



164.2770, 40.7824, 79.5641



206.1770, -38.5413, 41.9408



120.2550, 3.3253, 6.7924



77.7430, 50.9057, 99.3264

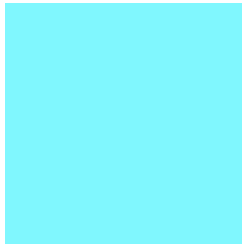


25.9760, 16.7738, 33.3470



# Previews

## White Background



This preview shows how the YUV color 212.2170, 20.5990, -73.8583 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

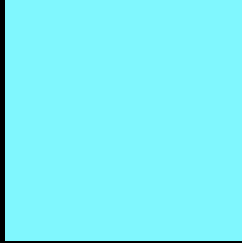
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 212.2170, 20.5990, -73.8583 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

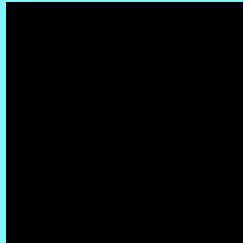
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 212.2170, 20.5990, -73.8583

## Background



This preview shows how black text looks on a background with the YUV color 212.2170, 20.5990, -73.8583.



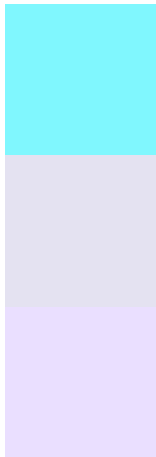
This preview shows how white text looks on a background with the YUV color 212.2170, 20.5990, -73.8583.

-73.8583.

# 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

212.2170, 20.5990, -73.8583

### Protanopia

228.3080, 6.2572, -0.2701

### Deuteranopia

229.9370, 12.3561, 3.5633



## Tritanopia

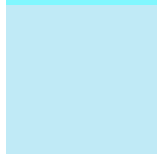
219.5840, 17.4601, -46.9932

# Trichromacy



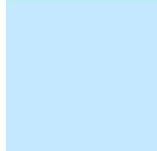
## Original Color

212.2170, 20.5990, -73.8583



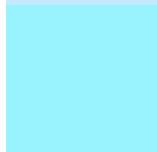
## Protanomaly

222.8100, 11.4327, -27.0204



## Deuteranomaly

223.5590, 15.5004, -25.0462



## Tritanomaly

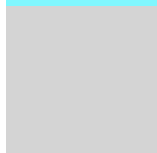
217.1590, 18.6556, -57.1444

# Monochromacy



## Original Color

212.2170, 20.5990, -73.8583



## Achromatopsia

212.0000, 0.0000, 0.0000



## Achromatomaly

212.0720, 7.3595, -27.2501

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 212.2170, 20.5990, -73.8583 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(128, 247, 254)` looks like.

```
.text, #text, p{  
    color:rgb(128, 247, 254)  
}
```

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(128, 247, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 247, 254) }
```

## Border

The CSS property to change the border of an element to YUV 212.2170, 20.5990, -73.8583 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(128, 247, 254) }
```



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

```
.border{ border-color:rgb(128, 247, 254) }
```

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

Here you see how a box with a 4 pixel rgb(128, 247, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 247, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 247, 254);  
box-shadow:4px 4px 4px 4px rgb(128, 247,  
254) }
```

# Background

The CSS property to change the background color of an element to YUV 212.2170, 20.5990, -73.8583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 247, 254) }
```

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

```
.background{ background-color: rgb(128,  
247, 254) }
```

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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