

# Converting Colors

YUV(89.7210, 70.1435,  
-51.4983)

Have a look what the booklet for  
YUV(89.7210, 70.1435, -51.4983)  
contains.

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# Color

**YUV(89.7210, 70.1435,  
-51.4983)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1F5CE8
RGB	31, 92, 232
RGB Percent	12%, 36%, 91%
CMY	0.8784, 0.6392, 0.0902
CMYK	0.87, 0.60, 0.00, 0.09
HSL	222°, 81%, 52%
HSV	222°, 87%, 91%
XYZ	18.9577, 13.7718, 78.0030
YIQ	89.7210, -81.2960, 30.6080

# Conversions

## Conversions Part 2

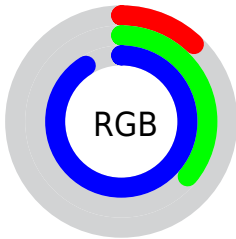
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 78, 232
Decimal	2055400
CIE <sub>Lab</sub>	43.90, 33.93, -75.67
CIE <sub>LCh</sub>	44, 82.932, 294.150
Yxy	13.7718, 0.1712, 0.1244
Android (android.graphics.Color)	4280245480 (0xFF1F5CE8)
YUV	89.7210, 70.1435, -51.4983
Hunter-Lab	37.1104, 26.2430, -98.6455

# Details

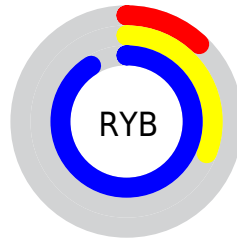
The YUV color **89.7210, 70.1435, -51.4983** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **173.2790, -70.1435, 51.4983**, and the grayscale version is **89.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **146.8090, 53.3382, -27.8965**, and **48.1260, 62.5489, -42.2065** is the 20% darker color. If you saturate the color by 10%, you get **73.4520, 78.1642, -57.4014**, and if you desaturate by 10%, it is **105.9900, 62.1229, -45.5952**.

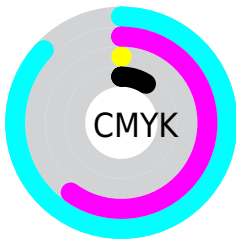
# Distribution



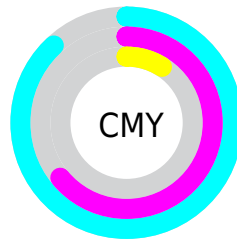
- Red (12%)
- Green (36%)
- Blue (91%)



- Red (12%)
- Yellow (31%)
- Blue (91%)



- Cyan (87%)
- Magenta (60%)
- Yellow (0%)
- Black (9%)



- Cyan (88%)
- Magenta (64%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 89.7210, 70.1435, -51.4983 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 89.7210, 70.1435, -51.4983 by changing the saturation by 10% instead.



■ 89.7210, 70.1435,  
-51.4983

■ 89.7210, 70.1435,  
-51.4983

■ 255.0000, 0.0000,  
0.0000

■ 63.6450, 68.7020,  
-55.8167

■ 146.8090, 53.3382,  
-27.8965

■ 48.1260, 62.5489,  
-42.2065

■ 171.9380, 40.9496,  
-20.9936

■ 33.8950, 56.2538,  
-29.7259

■ 197.3550, 28.4190,  
-15.2203

■ 19.6640, 49.9586,  
-17.2453

■ 223.0600, 15.7464,  
-10.5766

■ 16.1130, 38.8913,  
-14.1311

■ 248.7650, 3.0739,  
-5.9329

■ 12.6760, 28.2607,  
-11.1169

■ 7.7060, 19.3719,

-6.7582

■ 3.4370, 10.6306,  
-3.0142

■ 0.0000, 0.0000,  
0.0000

■ 89.7210, 70.1435,  
-51.4983

■ 89.7210, 70.1435,  
-51.4983

■ 73.4520, 78.1642,  
-57.4014

■ 105.9900, 62.1229,  
-45.5952

■ 67.5380, 81.0798,  
-59.2308

■ 122.2590, 54.1023,  
-39.6921

■ 138.8270, 45.9343,  
-33.1743

■ 155.6830, 37.6243,  
-27.7860

■ 171.9520, 29.6037,  
-21.8829

■ 188.2210, 21.5830,  
-15.9798

■ 204.4900, 13.5624,  
-10.0767

■ 221.0580, 5.3944,  
-3.5589

■ 237.3270, -2.6262,  
2.3442

# Harmonies

## Analogous

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



97.0820, 72.4306, -85.1409



89.7210, 70.1435, -51.4983



97.2750, 43.7414, 63.7798

# Triad

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



89.7210, 70.1435, -51.4983



91.1330, -44.9286, 84.0754



86.3420, 0.8174, -75.7219

# Complementary

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



89.7210, 70.1435, -51.4983



173.2790, -70.1435, 51.4983

# 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.



73.9620, -36.4633, -64.8647



89.7210, 70.1435, -51.4983



98.2010, -48.4131, 34.9037

# Square

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



89.7210, 70.1435, -51.4983



70.3270, -8.5422, 126.8782



89.9190, -44.3301, -14.8380



95.0230, 31.5407, -83.3352



# Rectangle

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



89.7210, 70.1435, -51.4983



77.2980, 32.3911, 111.1177



89.9190, -44.3301, -14.8380



82.9050, -9.8132, -72.7077

# Sweetspot

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



89.7210, 70.1435, -51.4983



208.2640, 23.0408, -16.8945



164.6050, 1.6737, -117.1716



99.6040, 13.9992, -10.1767



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.



89.7210, 70.1435, -51.4983



74.2690, 89.1004, -65.1339



64.9770, 82.3423, 2.6512



106.7160, 4.0840, -3.2589



52.1040, 62.5597, -45.6952



14.6190, 17.9358, -12.8209



# Inverse Universe

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



98.0530, -2.9841, 117.4715



85.0230, -3.9553, 149.0698



198.0230, -82.3423, -2.6512



107.0440, -0.0217, 6.9774



59.6770, -2.7988, 104.6463



16.9590, -0.9658, 29.8540



# Previews

## White Background



This preview shows how the YUV color 89.7210, 70.1435, -51.4983 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

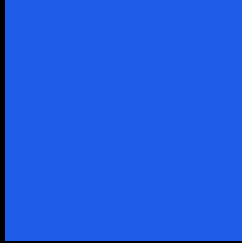
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 89.7210, 70.1435, -51.4983 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

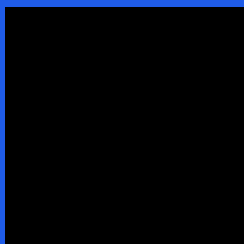
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

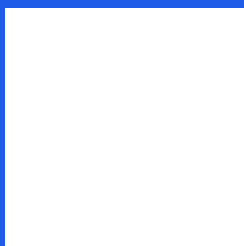
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 89.7210, 70.1435, -51.4983

## Background



This preview shows how black text looks on a background with the YUV color 89.7210, 70.1435, -51.4983.



This preview shows how white text looks on a background with the YUV color 89.7210, 70.1435, -51.4983.



# 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

89.7210, 70.1435, -51.4983

### Protanopia

82.0530, 63.0779, -71.9605

### Deuteranopia

82.7420, 47.9482, -72.5647



## Tritanopia

80.7120, 19.8620, -70.7844

# Trichromacy



## Original Color

89.7210, 70.1435, -51.4983

## Protanomaly

84.4930, 65.8190, -64.4534

## Deuteranomaly

85.2620, 56.0728, -65.1278

## Tritanomaly

83.8650, 38.0276, -63.9026

# Monochromacy



## Original Color

89.7210, 70.1435, -51.4983

## Achromatopsia

90.0000, 0.0000, 0.0000

## Achromatomaly

90.2360, 25.5197, -18.6240

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 89.7210, 70.1435, -51.4983 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(31, 92, 232)` looks like.

```
.text, #text, p{  
    color:rgb(31, 92, 232)  
}
```

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(31, 92, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 92, 232) }
```

## Border

The CSS property to change the border of an element to YUV 89.7210, 70.1435, -51.4983 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(31, 92, 232) }
```



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

```
.border{ border-color:rgb(31, 92, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 92, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 92, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 92, 232);  
box-shadow:4px 4px 4px 4px rgb(31, 92,  
232) }
```

# Background

The CSS property to change the background color of an element to YUV 89.7210, 70.1435, -51.4983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 92, 232) }
```

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

```
.background{ background-color: rgb(31, 92,  
232) }
```

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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