

Converting Colors

YUV(70.3500, 83.1445,
-21.3549)

Have a look what the booklet for
YUV(70.3500, 83.1445, -21.3549)
contains.

YUV(70.3500, 83.1445, -21.3549)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(70.3500, 83.1445,
-21.3549)**

Conversions

Conversions Part 1

Format	Color
Hex	2E32EF
RGB	46, 50, 239
RGB Percent	18%, 20%, 94%
CMY	0.8196, 0.8039, 0.0627
CMYK	0.81, 0.79, 0.00, 0.06
HSL	239°, 86%, 56%
HSV	239°, 81%, 94%
XYZ	17.8473, 9.0940, 82.4760
YIQ	70.3500, -63.0530, 57.9310

Conversions

Conversions Part 2

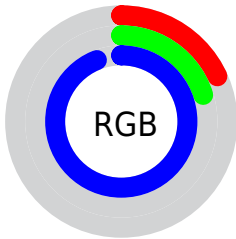
Format	Color
R _Y B	46, 50, 239
Decimal	3027695
CIE Lab	36.16, 61.47, -92.37
CIE LCh	36, 110.957, 303.641
Yxy	9.0940, 0.1631, 0.0831
Android (android.graphics.Color)	4281217775 (0xFF2E32EF)
YUV	70.3500, 83.1445, -21.3549
Hunter-Lab	30.1563, 52.8674, -141.0457

Details

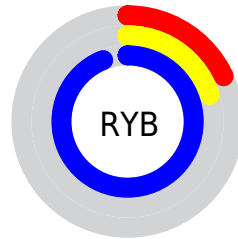
The YUV color **70.3500, 83.1445, -21.3549** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **214.6500, -83.1445, 21.3549**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **125.7430, 63.7237, 1.1024**, and **20.6340, 79.0604, -18.0960** is the 20% darker color. If you saturate the color by 10%, you get **49.6730, 93.3382, -24.2692**, and if you desaturate by 10%, it is **91.0270, 72.9507, -18.4407**.

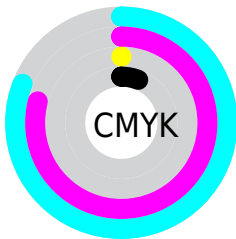
Distribution



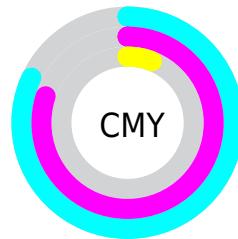
- Red (18%)
- Green (20%)
- Blue (94%)



- Red (18%)
- Yellow (20%)
- Blue (94%)



- Cyan (81%)
- Magenta (79%)
- Yellow (0%)
- Black (6%)



- Cyan (82%)
- Magenta (80%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the YUV color 70.3500, 83.1445, -21.3549 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 70.3500, 83.1445, -21.3549 by changing the saturation by 10% instead.

■ 70.3500, 83.1445,
-21.3549

■ 70.3500, 83.1445,
-21.3549

255.0000, 0.0000,
0.0000

■ 38.6150, 84.4928,
-33.8654

■ 125.7430, 63.7237,
1.1024

■ 20.6340, 79.0604,
-18.0960

■ 150.8720, 51.3351,
8.0053

■ 17.4420, 66.8301,
-15.2966

■ 176.5880, 38.6571,
14.3933

■ 14.3640, 55.0365,
-12.5972

■ 202.5920, 25.8371,
19.6518

■ 19.6180, 39.6283,
-17.2050

■ 227.9980, 13.3120,
23.6808

■ 13.8330, 30.1553,
-12.1315

■ 244.4340, 5.2090,

■ 8.1620, 21.1191,

9.2664

-7.1581

■ 4.4800, 12.0884,
-3.9290

■ 0.0000, 0.0000,
0.0000

■ 70.3500, 83.1445,
-21.3549

■ 70.3500, 83.1445,
-21.3549

■ 49.6730, 93.3382,
-24.2692

■ 91.0270, 72.9507,
-18.4407

■ 30.1810, 102.9478,
-26.4687

■ 112.2910, 62.4675,
-16.0412

■ 132.9680, 52.2738,
-13.1269

■ 154.2320, 41.7906,
-10.7275

■ 174.9090, 31.5969,
-7.8132

■ 195.2870, 21.5505,
-5.5137

■ 216.5510, 11.0674,
-3.1142

■ 237.2280, 0.8736,
-0.2000

■ 253.1760, -6.9888,
1.5996

Harmonies

Analogous

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



87.1830, 82.7338, -76.4595



70.3500, 83.1445, -21.3549



75.8480, 44.9379, 100.1113

Triad

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



70.3500, 83.1445, -21.3549



70.4560, -34.7348, 81.1611



77.1610, 8.7946, -67.6702

Complementary

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



70.3500, 83.1445, -21.3549



214.6500, -83.1445, 21.3549

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.



64.5700, -31.8330, -56.6279



70.3500, 83.1445, -21.3549



79.4740, -39.1807, 13.6163

Square

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



70.3500, 83.1445, -21.3549



62.7900, -30.9555, 129.1032



61.0480, -30.0967, -53.5391



89.0680, 46.8015, -78.1126

Rectangle

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



70.3500, 83.1445, -21.3549



78.0920, 14.7446, 124.4533



61.0480, -30.0967, -53.5391



72.9260, -4.8935, -63.9561

Sweetspot

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



70.3500, 83.1445, -21.3549



201.5410, 26.3553, -6.6135



180.6090, 25.8288, -118.0521



95.2180, 16.1615, -3.6992



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.



70.3500, 83.1445, -21.3549



39.0930, 106.4422, -27.2686



94.9120, 71.0354, 36.0342



109.3680, 5.2416, -1.1997



23.3240, 79.2133, -20.4551



6.9710, 24.1713, -6.1136

Inverse Universe

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



104.1630, -26.7024, 118.2520



82.4230, -34.2255, 151.3500



190.0880, -71.0354, -36.0342



111.5880, -1.7689, 7.3773



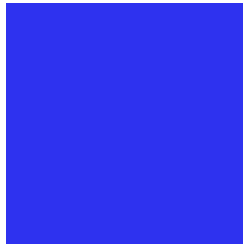
55.4720, -25.3757, 112.7191



16.8580, -7.8180, 34.3275

Previews

White Background



This preview shows how the YUV color 70.3500, 83.1445, -21.3549 looks on a white background.

Color Contrast Check

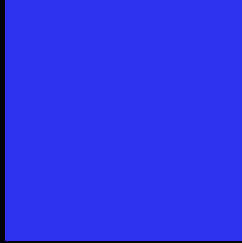
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the YUV color 70.3500, 83.1445, -21.3549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

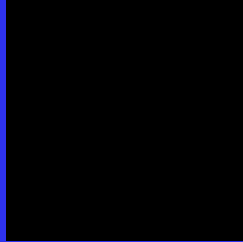
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 70.3500, 83.1445, -21.3549

Background



This preview shows how black text looks on a background with the YUV color 70.3500, 83.1445, -21.3549.



This preview shows how white text looks on a background with the YUV color 70.3500, 83.1445, -21.3549.

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

70.3500, 83.1445, -21.3549

Protanopia

67.0410, 51.2518, -58.7950

Deuteranopia

67.5990, 38.1587, -59.2843



Tritanopia

66.3500, 15.6035, -58.1889

Trichromacy



Original Color

70.3500, 83.1445, -21.3549

Protanomaly

68.5170, 62.8491, -45.1804

Deuteranomaly

68.9270, 54.2660, -45.5400

Tritanomaly

67.8550, 40.0045, -44.5998

Monochromacy



Original Color

70.3500, 83.1445, -21.3549

Achromatopsia

70.0000, 0.0000, 0.0000

Achromatomaly

70.1540, 29.9971, -8.0281

CSS Examples

Text

The CSS property to change the color of the text to YUV 70.3500, 83.1445, -21.3549 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(46, 50, 239)` looks like.

```
.text, #text, p{  
    color:rgb(46, 50, 239)  
}
```

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(46, 50, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 50, 239) }
```

Border

The CSS property to change the border of an element to YUV 70.3500, 83.1445, -21.3549 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(46, 50, 239) }
```


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

```
.border{ border-color:rgb(46, 50, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 50, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 50, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 50, 239);  
box-shadow:4px 4px 4px 4px rgb(46, 50,  
239) }
```

Background

The CSS property to change the background color of an element to YUV 70.3500, 83.1445, -21.3549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 50, 239) }
```

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

```
.background{ background-color: rgb(46, 50,  
239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor