

# Converting Colors

YUV(121.7700, 65.6824,  
-67.3273)

Have a look what the booklet for  
YUV(121.7700, 65.6824, -67.3273)  
contains.

<b>YUV(121.7700, 65.6824, -67.3273)</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(121.7700, 65.6824,  
-67.3273)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D87FF
RGB	45, 135, 255
RGB Percent	18%, 53%, 100%
CMY	0.8235, 0.4706, 0.0000
CMYK	0.82, 0.47, 0.00, 0.00
HSL	214°, 100%, 59%
HSV	214°, 82%, 100%
XYZ	27.7962, 25.1058, 97.9886
YIQ	121.7700, -92.1600, 18.2400

# Conversions

## Conversions Part 2

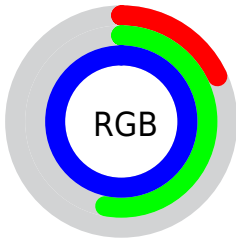
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	45, 108, 255
Decimal	2983935
CIE Lab	57.18, 16.46, -66.92
CIE LCh	57, 68.919, 283.817
Yxy	25.1058, 0.1842, 0.1664
Android (android.graphics.Color)	4281174015 (0xFF2D87FF)
YUV	121.7700, 65.6824, -67.3273
Hunter-Lab	50.1057, 11.3379, -80.8757

# Details

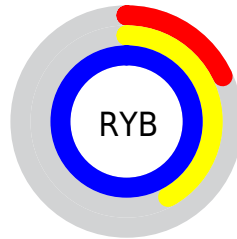
The YUV color  $121.7700, 65.6824, -67.3273$  is a dark color, and the websafe version is hex  $6699FF$ . The color can be described as middle washed azure. A complement of this color would be  $178.2300, -65.6824, 67.3273$ , and the grayscale version is  $121.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $176.8010, 38.5521, -45.4295$ , and  $72.9400, 61.1616, -63.9684$  is the 20% darker color. If you saturate the color by 10%, you get  $105.4900, 73.7084, -74.9747$ , and if you desaturate by 10%, it is  $138.3490, 57.5089, -59.0651$ .

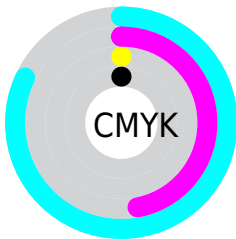
# Distribution



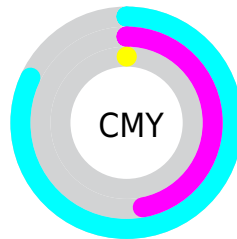
- Red (18%)
- Green (53%)
- Blue (100%)



- Red (18%)
- Yellow (42%)
- Blue (100%)



- Cyan (82%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (47%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 121.7700, 65.6824, -67.3273 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 121.7700, 65.6824, -67.3273 by changing the saturation by 10% instead.



■ 121.7700, 65.6824,  
-67.3273

■ 121.7700, 65.6824,  
-67.3273

255.0000, 0.0000,  
0.0000

■ 90.3340, 66.8833,  
-79.2229

■ 176.8010, 38.5521,  
-45.4295

■ 72.9400, 61.1616,  
-63.9684

■ 202.5170, 25.8741,  
-39.0414

■ 56.9480, 55.7346,  
-49.9434

■ 228.2220, 13.2016,  
-34.3977

■ 42.0160, 49.2921,  
-36.8480

■ 244.8340, 5.0118,  
-20.9024

■ 28.4860, 43.1444,  
-24.9822

■ 254.1030, 0.4422,  
-1.8443

■ 16.2440, 36.8547,  
-14.2460

■ 11.6330, 26.8029,

-10.2021

■ 6.6630, 17.9141,  
-5.8435

■ 2.9810, 8.8834,  
-2.6143

■ 121.7700, 65.6824,  
-67.3273

■ 121.7700, 65.6824,  
-67.3273

■ 105.4900, 73.7084,  
-74.9747

■ 138.3490, 57.5089,  
-59.0651

■ 93.0530, 79.8399,  
-81.6075

■ 154.0420, 49.7723,  
-50.9028

■ 170.6210, 41.5988,  
-42.6406

■ 186.3140, 33.8622,  
-34.4784

■ 202.8930, 25.6888,  
-26.2162

■ 218.5860, 17.9521,  
-18.0539

■ 235.1650, 9.7787,  
-9.7917

■ 251.4450, 1.7526,  
-2.1443

■ 255.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



118.6530, 66.2331, -104.0587



121.7700, 65.6824, -67.3273



141.0720, 41.3765, 28.8779

# Triad

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



121.7700, 65.6824, -67.3273



130.6200, -36.7877, 86.2793



107.1950, -3.0541, -94.0100

# Complementary

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



121.7700, 65.6824, -67.3273



178.2300, -65.6824, 67.3273

# 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.



116.1650, -37.5493, -43.1177



121.7700, 65.6824, -67.3273



128.7230, -63.4604, 54.6169

# Square

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



121.7700, 65.6824, -67.3273



128.5750, -8.1715, 101.2277



125.5020, -61.8725, 11.8377



115.5510, 23.8854, -101.3382



# Rectangle

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



121.7700, 65.6824, -67.3273



137.7150, 26.2695, 67.7789



125.5020, -61.8725, 11.8377



103.7410, -11.2113, -90.9809

# Sweetspot

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



121.7700, 65.6824, -67.3273



214.7320, 19.8521, -20.8130



181.8360, -8.7931, -120.0052



103.4250, 12.1155, -12.6507



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.



121.7700, 65.6824, -67.3273



95.1240, 78.8189, -80.7927



73.1260, 89.6639, -12.3885



119.4170, 4.2314, -3.8737



69.9080, 59.6984, -61.3093



23.1450, 20.1415, -20.2982



# Inverse Universe

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



118.0500, 8.3564, 120.1051



90.6600, 10.0276, 144.1262



226.8740, -89.6639, 12.3885



119.4570, 0.2677, 7.4922



66.4570, 7.6627, 109.2242



22.2140, 2.3595, 36.6463



# Previews

## White Background



This preview shows how the YUV color 121.7700, 65.6824, -67.3273 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

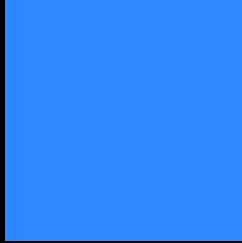
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 121.7700, 65.6824, -67.3273 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

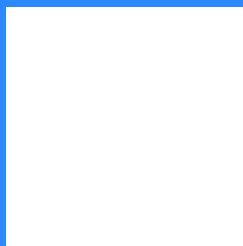
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 121.7700, 65.6824, -67.3273

## Background



This preview shows how black text looks on a background with the YUV color 121.7700, 65.6824, -67.3273.



This preview shows how white text looks on a background with the YUV color 121.7700, 65.6824, -67.3273.



# 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

121.7700, 65.6824, -67.3273

### Protanopia

128.3380, 60.9654, -47.6544

### Deuteranopia

109.4090, 66.3534, -95.9517



## Tritanopia

107.1050, 27.0632, -93.9311

# Trichromacy



## Original Color

121.7700, 65.6824, -67.3273

## Protanomaly

125.7500, 62.7342, -55.0318

## Deuteranomaly

114.0620, 66.0314, -86.0004

## Tritanomaly

112.2430, 41.2922, -84.4051

# Monochromacy



## Original Color

121.7700, 65.6824, -67.3273

## Achromatopsia

122.0000, 0.0000, 0.0000

## Achromatomaly

122.0350, 23.6467, -24.5867

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 121.7700, 65.6824, -67.3273 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(45, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(45, 135, 255)  
}
```

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(45, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 135, 255) }
```

## Border

The CSS property to change the border of an element to YUV 121.7700, 65.6824, -67.3273 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(45, 135, 255) }
```



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

```
.border{ border-color:rgb(45, 135, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 135, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 135, 255);  
box-shadow:4px 4px 4px 4px rgb(45, 135,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 121.7700, 65.6824, -67.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 135, 255) }
```

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

```
.background{ background-color: rgb(45, 135,  
255) }
```

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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