

# Converting Colors

YUV(30.8610, 84.8645,  
-13.0331)

Have a look what the booklet for  
YUV(30.8610, 84.8645, -13.0331)  
contains.

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# Color

**YUV(30.8610, 84.8645,  
-13.0331)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1005CB
RGB	16, 5, 203
RGB Percent	6%, 2%, 80%
CMY	0.9373, 0.9804, 0.2039
CMYK	0.92, 0.98, 0.00, 0.20
HSL	243°, 95%, 41%
HSV	243°, 98%, 80%
XYZ	11.0474, 4.5305, 56.7921
YIQ	30.8610, -57.0020, 63.9100

# Conversions

## Conversions Part 2

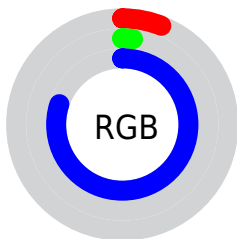
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	16, 5, 203
Decimal	1050059
CIE <sub>Lab</sub>	25.35, 65.77, -89.69
CIE <sub>LCh</sub>	25, 111.222, 306.250
Yxy	4.5305, 0.1527, 0.0626
Android (android.graphics.Color)	4279240139 (0xFF1005CB)
YUV	30.8610, 84.8645, -13.0331
Hunter-Lab	21.2850, 55.3974, -143.2969

# Details

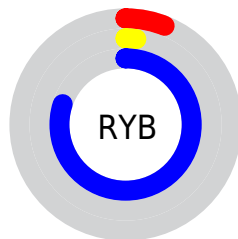
The YUV color **30.8610, 84.8645, -13.0331** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **177.1390, -84.8645, 13.0331**, and the grayscale version is **30.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **100.4030, 76.2163, 7.5396**, and **16.7580, 64.2093, -14.6968** is the 20% darker color. If you saturate the color by 10%, you get **26.4310, 87.0485, -13.5330**, and if you desaturate by 10%, it is **48.2820, 76.2760, -11.6483**.

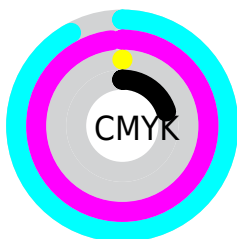
# Distribution



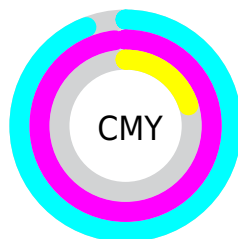
- Red (6%)
- Green (2%)
- Blue (80%)



- Red (6%)
- Yellow (2%)
- Blue (80%)



- Cyan (92%)
- Magenta (98%)
- Yellow (0%)
- Black (20%)



- Cyan (94%)
- Magenta (98%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 30.8610, 84.8645, -13.0331 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 30.8610, 84.8645, -13.0331 by changing the saturation by 10% instead.



■ 30.8610, 84.8645,  
-13.0331

■ 30.8610, 84.8645,  
-13.0331

■ 255.0000, 0.0000,  
0.0000

■ 19.9500, 76.4397,  
-17.4962

■ 100.4030, 76.2163,  
7.5396

■ 16.7580, 64.2093,  
-14.6968

■ 125.5320, 63.8277,  
14.4424

■ 13.6800, 52.4158,  
-11.9974

■ 150.9490, 51.2971,  
20.2157

■ 17.7600, 37.5863,  
-15.5755

■ 176.3660, 38.7666,  
25.9890

■ 12.5620, 27.8239,  
-11.0169

■ 201.4840, 26.3834,  
31.1475

■ 7.5920, 18.9351,  
-6.6582


■ 223.8890, 15.3377,


■ 3.3230, 10.1938,


27.2843


-2.9143


 240.3250, 7.2348,  
12.8700


 0.0000, 0.0000,  
0.0000


 30.8610, 84.8645,  
-13.0331


 30.8610, 84.8645,  
-13.0331


 26.4310, 87.0485,  
-13.5330

 48.2820, 76.2760,  
-11.6483

 66.2900, 67.3980,  
-10.7783

 84.0100, 58.6621,  
-8.7788

 101.4310, 50.0735,  
-7.3940

 119.4390, 41.1956,  
-6.5240

■ 136.8600, 32.6070,  
-5.1392

■ 154.2810, 24.0185,  
-3.7544

■ 171.7020, 15.4299,  
-2.3697

■ 190.0090, 6.4046,  
-0.8849

# Harmonies

## Analogous

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



70.5700, 82.5430, -61.8899



30.8610, 84.8645, -13.0331



63.6710, 33.1932, 87.1115

# Triad

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



30.8610, 84.8645, -13.0331



43.8320, -21.6092, 71.1843



58.0860, 9.3246, -50.9414

# Complementary

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



30.8610, 84.8645, -13.0331



177.1390, -84.8645, 13.0331

# 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.



47.5470, -23.4407, -41.6987



30.8610, 84.8645, -13.0331



55.2090, -27.2180, 3.3247

# Square

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



30.8610, 84.8645, -13.0331



50.8300, -25.0592, 104.5121



45.1990, -22.2831, -39.6395



69.5370, 45.5843, -60.9839



# Rectangle

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



30.8610, 84.8645, -13.0331



64.1640, 5.3421, 106.8502



45.1990, -22.2831, -39.6395



54.0790, -3.4899, -47.4273

# Sweetspot

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



30.8610, 84.8645, -13.0331



190.6320, 31.7334, -4.9393



137.9280, 32.0805, -116.5779



88.7280, 19.3611, -3.2695



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.



30.8610, 84.8645, -13.0331



33.2560, 109.3198, -16.8875



60.1630, 70.4186, 47.2150



93.1400, 4.3680, -0.9998



21.6150, 71.1818, -11.0634



4.9300, 16.3035, -2.5696



# Inverse Universe

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



85.5200, 52.4946, 103.0300



103.7190, 67.6795, 132.6734



147.8370, -70.4186, -47.2150



96.0160, 2.4571, 5.2480



67.5320, 44.1077, 86.3564

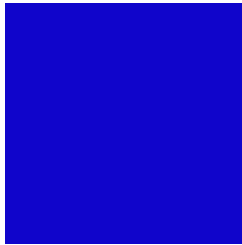


15.4660, 10.1233, 19.7623



# Previews

## White Background



This preview shows how the YUV color 30.8610, 84.8645, -13.0331 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

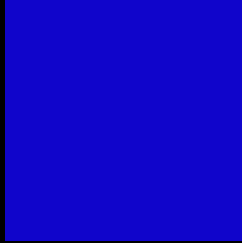
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 30.8610, 84.8645, -13.0331 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

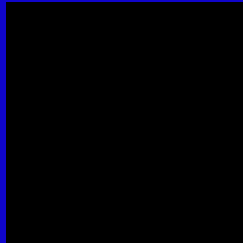
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 30.8610, 84.8645, -13.0331

## Background



This preview shows how black text looks on a background with the YUV color 30.8610, 84.8645, -13.0331.



This preview shows how white text looks on a background with the YUV color 30.8610, 84.8645, -13.0331.



# 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

30.8610, 84.8645, -13.0331

### Protanopia

49.4700, 37.2363, -43.3852

### Deuteranopia

49.6520, 27.7796, -43.5448



## Tritanopia

48.7110, 11.4815, -42.7195

# Trichromacy



## Original Color

30.8610, 84.8645, -13.0331

## Protanomaly

42.7160, 54.3700, -32.1999

## Deuteranomaly

43.1090, 48.2603, -32.5446

## Tritanomaly

42.4760, 38.2193, -31.9895

# Monochromacy



## Original Color

30.8610, 84.8645, -13.0331

## Achromatopsia

31.0000, 0.0000, 0.0000

## Achromatomaly

31.4040, 30.8598, -4.7393

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 30.8610, 84.8645, -13.0331 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(16, 5, 203)` looks like.

```
.text, #text, p{  
    color:rgb(16, 5, 203)  
}
```

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(16, 5, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 5, 203) }
```

## Border

The CSS property to change the border of an element to YUV 30.8610, 84.8645, -13.0331 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(16, 5, 203) }
```



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

```
.border{ border-color:rgb(16, 5, 203) }
```

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

Here you see how a box with a 4 pixel rgb(16, 5, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 5, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 5, 203);  
box-shadow:4px 4px 4px 4px rgb(16, 5, 203)  
}
```

# Background

The CSS property to change the background color of an element to YUV 30.8610, 84.8645, -13.0331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 5, 203) }
```

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

```
.background{ background-color: rgb(16, 5,  
203) }
```

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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