

# Converting Colors

YUV(39.3180, 81.6812,  
-18.6959)

Have a look what the booklet for  
YUV(39.3180, 81.6812, -18.6959)  
contains.

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# Color

**YUV(39.3180, 81.6812,  
-18.6959)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1212CD
RGB	18, 18, 205
RGB Percent	7%, 7%, 80%
CMY	0.9294, 0.9294, 0.1961
CMYK	0.91, 0.91, 0.00, 0.20
HSL	240°, 84%, 44%
HSV	240°, 91%, 80%
XYZ	11.4852, 4.9690, 58.1114
YIQ	39.3180, -60.0270, 58.1570

# Conversions

## Conversions Part 2

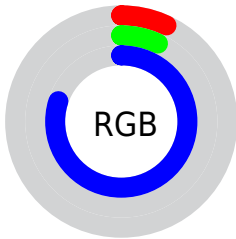
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 18, 205
Decimal	1184461
CIE <sub>Lab</sub>	26.65, 63.37, -88.70
CIE <sub>LCh</sub>	27, 109.015, 305.544
Yxy	4.9690, 0.1540, 0.0666
Android (android.graphics.Color)	4279374541 (0xFF1212CD)
YUV	39.3180, 81.6812, -18.6959
Hunter-Lab	22.2912, 52.9597, -138.9602

# Details

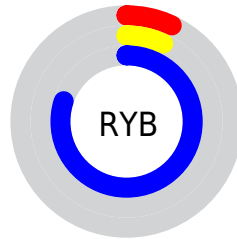
The YUV color **39.3180, 81.6812, -18.6959** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **183.6820, -81.6812, 18.6959**, and the grayscale version is **39.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **104.2240, 74.3326, 5.0656**, and **16.9860, 65.0829, -14.8967** is the 20% darker color. If you saturate the color by 10%, you get **23.3700, 89.5436, -20.4955**, and if you desaturate by 10%, it is **57.9240, 72.5085, -16.5963**.

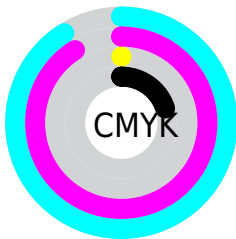
# Distribution



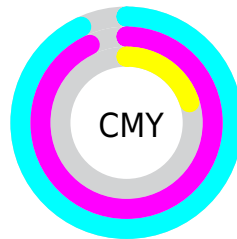
- Red (7%)
- Green (7%)
- Blue (80%)



- Red (7%)
- Yellow (7%)
- Blue (80%)



- Cyan (91%)
- Magenta (91%)
- Yellow (0%)
- Black (20%)



- Cyan (93%)
- Magenta (93%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 39.3180, 81.6812, -18.6959 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 39.3180, 81.6812, -18.6959 by changing the saturation by 10% instead.



■ 39.3180, 81.6812,  
-18.6959

■ 39.3180, 81.6812,  
-18.6959

■ 255.0000, 0.0000,  
0.0000

■ 20.1780, 77.3132,  
-17.6961

■ 104.2240, 74.3326,  
5.0656

■ 16.9860, 65.0829,  
-14.8967

■ 129.3530, 61.9440,  
11.9684

■ 13.9080, 53.2894,  
-12.1973

■ 154.4710, 49.5608,  
17.1269

■ 17.4010, 38.7493,  
-15.2607

■ 179.8880, 37.0302,  
22.9002

■ 12.7900, 28.6975,  
-11.2168

■ 205.3050, 24.4996,  
28.6735

■ 7.8200, 19.8087,  
-6.8581


■ 226.8240, 13.8908,


■ 3.5510, 11.0674,


24.7104


-3.1142


 243.8470, 5.4984,  
9.7812

 0.0000, 0.0000,  
0.0000


 39.3180, 81.6812,  
-18.6959

 39.3180, 81.6812,  
-18.6959

 23.3700, 89.5436,  
-20.4955

 57.9240, 72.5085,  
-16.5963

 75.6440, 63.7725,  
-14.5968

 94.2500, 54.5998,  
-12.4972

 111.9700, 45.8638,  
-10.4977

 130.5760, 36.6910,  
-8.3982

■ 148.2960, 27.9551,  
-6.3986

■ 166.9020, 18.7823,  
-4.2991

■ 184.6220, 10.0464,  
-2.2995

■ 203.2280, 0.8736,  
-0.2000

# Harmonies

## Analogous

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



71.8580, 82.4010, -63.0195



39.3180, 81.6812, -18.6959



64.3120, 34.3562, 87.4264

# Triad

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



39.3180, 81.6812, -18.6959



47.3760, -23.3564, 71.5842



59.9610, 8.8932, -52.5858

# Complementary

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



39.3180, 81.6812, -18.6959



183.6820, -81.6812, 18.6959

# 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.



49.3080, -24.3088, -43.2431



39.3180, 81.6812, -18.6959



57.8780, -28.5339, 5.3690

# Square

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



39.3180, 81.6812, -18.6959



52.0260, -25.6488, 106.9712



46.9600, -23.1513, -41.1839



71.2980, 44.7161, -62.5283



# Rectangle

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



39.3180, 81.6812, -18.6959



65.3320, 7.2313, 107.5798



46.9600, -23.1513, -41.1839



55.9540, -3.9213, -49.0717

# Sweetspot

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



39.3180, 81.6812, -18.6959



193.8660, 30.1391, -6.8985



149.0870, 27.5651, -114.9633



91.6740, 17.9087, -4.0991



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.



39.3180, 81.6812, -18.6959



29.0700, 111.3835, -25.4944



67.4240, 67.8250, 39.0932



93.1400, 4.3680, -0.9998



18.9240, 72.5085, -16.5963



4.3320, 16.5983, -3.7992



# Inverse Universe

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



95.2310, 54.1161, 96.2674



105.3150, 73.7947, 131.2737



155.8750, -67.9724, -38.4784



96.1300, 2.8939, 5.1480



68.5580, 48.0389, 85.4566

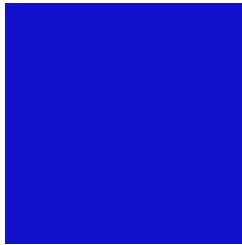


15.6940, 10.9969, 19.5624



# Previews

## White Background



This preview shows how the YUV color 39.3180, 81.6812, -18.6959 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

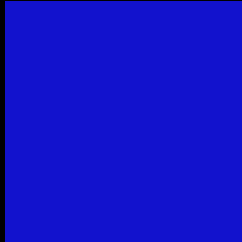
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 39.3180, 81.6812, -18.6959 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 39.3180, 81.6812, -18.6959

## Background



This preview shows how black text looks on a background with the YUV color 39.3180, 81.6812, -18.6959.



This preview shows how white text looks on a background with the YUV color 39.3180, 81.6812, -18.6959.



# 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

39.3180, 81.6812, -18.6959

### Protanopia

51.1000, 38.4047, -44.8147

### Deuteranopia

51.1680, 28.5112, -44.8743



## Tritanopia

50.1130, 11.7763, -43.9491

# Trichromacy



## Original Color

39.3180, 81.6812, -18.6959

## Protanomaly

46.9930, 54.2335, -35.0739

## Deuteranomaly

47.2720, 47.6869, -35.3185

## Tritanomaly

46.5250, 37.2092, -34.6634

# Monochromacy



## Original Color

39.3180, 81.6812, -18.6959

## Achromatopsia

39.0000, 0.0000, 0.0000

## Achromatomaly

38.7520, 29.7023, -6.7985

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 39.3180, 81.6812, -18.6959 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(18, 18, 205)` looks like.

```
.text, #text, p{  
    color:rgb(18, 18, 205)  
}
```

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(18, 18, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 18, 205) }
```

## Border

The CSS property to change the border of an element to YUV 39.3180, 81.6812, -18.6959 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(18, 18, 205) }
```



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

```
.border{ border-color:rgb(18, 18, 205) }
```

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

Here you see how a box with a 4 pixel rgb(18, 18, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 18, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 18, 205);  
box-shadow:4px 4px 4px 4px rgb(18, 18,  
205) }
```

# Background

The CSS property to change the background color of an element to YUV 39.3180, 81.6812, -18.6959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 18, 205) }
```

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

```
.background{ background-color: rgb(18, 18,  
205) }
```

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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