

# Converting Colors

YUV(30.8630, 21.2665, -7.7729)

Have a look what the booklet for  
YUV(30.8630, 21.2665, -7.7729)  
contains.

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# Color

**YUV(30.8630, 21.2665,  
-7.7729)**

# Conversions

## Conversions Part 1

Format	Color
Hex	161B4A
RGB	22, 27, 74
RGB Percent	9%, 11%, 29%
CMY	0.9137, 0.8941, 0.7098
CMYK	0.70, 0.64, 0.00, 0.71
HSL	234°, 54%, 19%
HSV	234°, 70%, 29%
XYZ	1.9588, 1.4489, 6.6550
YIQ	30.8630, -18.0670, 13.5570

# Conversions

## Conversions Part 2

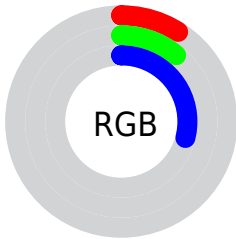
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 27, 74
Decimal	1448778
CIE <sub>Lab</sub>	12.28, 15.19, -30.02
CIE <sub>LCh</sub>	12, 33.649, 296.839
Yxy	1.4489, 0.1947, 0.1440
Android (android.graphics.Color)	4279638858 (0xFF161B4A)
YUV	30.8630, 21.2665, -7.7729
Hunter-Lab	12.0368, 7.9842, -24.3548




# Details

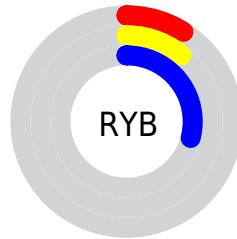
The YUV color **30.8630, 21.2665, -7.7729** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **65.1370, -21.2665, 7.7729**, and the grayscale version is **31.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **76.6400, 22.8555, -4.0693**, and **4.4800, 12.0884, -3.9290** is the 20% darker color. If you saturate the color by 10%, you get **24.6610, 24.3241, -8.4727**, and if you desaturate by 10%, it is **37.0650, 18.2090, -7.0730**.

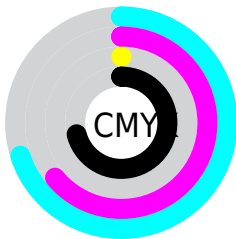
# Distribution







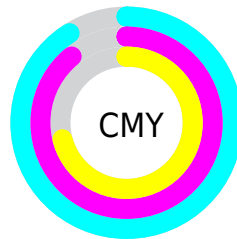
-  Red (9%)
-  Green (11%)
-  Blue (29%)






-  Red (9%)
-  Yellow (11%)
-  Blue (29%)



-  Cyan (70%)
-  Magenta (64%)
-  Yellow (0%)
-  Black (71%)



-  Cyan (91%)
-  Magenta (89%)
-  Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 30.8630, 21.2665, -7.7729 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 30.8630, 21.2665, -7.7729 by changing the saturation by 10% instead.



■ 30.8630, 21.2665,  
-7.7729

■ 30.8630, 21.2665,  
-7.7729

■ 254.4130, 0.2894,  
0.5148

■ 5.8140, 22.2767,  
-5.0989

■ 76.6400, 22.8555,  
-4.0693

■ 4.4800, 12.0884,  
-3.9290

■ 101.1670, 23.5817,  
-3.6545

■ 0.0000, 0.0000,  
0.0000

■ 126.1070, 24.5972,  
-2.7248

■ 152.6340, 25.3234,  
-2.3100

■ 179.1610, 26.0496,  
-1.8952

■ 206.5910, 23.8656,

-1.3953

231.3990, 11.6353,  
1.4041

30.8630, 21.2665,  
-7.7729

30.8630, 21.2665,  
-7.7729

24.6610, 24.3241,  
-8.4727

37.0650, 18.2090,  
-7.0730

18.7470, 27.2397,  
-10.3021

42.9790, 15.2934,  
-5.2436

12.5450, 30.2973,  
-11.0020

49.1810, 12.2358,  
-4.5437

55.6820, 9.0308,  
-3.2291

61.2970, 6.2626,  
-2.0145

■ 67.4990, 3.2050,  
-1.3146

■ 74.0000, 0.0000,  
0.0000

■ 80.2020, -3.0576,  
0.6998

■ 86.1160, -5.9732,  
2.5293

# Harmonies

## Analogous

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



30.1380, 24.0890, -26.4310



30.8630, 21.2665, -7.7729



31.2860, 13.1700, 22.5512

# Triad

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



30.8630, 21.2665, -7.7729



29.6800, -14.6322, 26.5906



27.9600, 0.5127, -24.5209

# Complementary

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



30.8630, 21.2665, -7.7729



65.1370, -21.2665, 7.7729

# 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.



23.4800, -11.5756, -20.5920



30.8630, 21.2665, -7.7729



30.4670, -15.0202, 10.9914

# Square

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



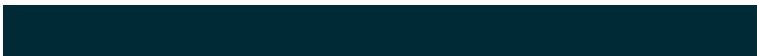
30.8630, 21.2665, -7.7729



25.0050, -7.3975, 39.4606



27.9980, -13.8030, -6.1372



30.6960, 10.9959, -26.9204



# Rectangle

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



30.8630, 21.2665, -7.7729



26.6960, 8.0379, 35.3466



27.9980, -13.8030, -6.1372



27.0480, -2.9817, -23.7211

# Sweetspot

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



30.8630, 21.2665, -7.7729



80.4540, 8.1572, -3.0292



57.8820, 5.4812, -31.4685



38.5420, 4.6628, -2.2293



176.0000, 0.0000, 0.0000



48.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.8630, 21.2665, -7.7729



29.3430, 33.3549, -11.7018



34.2070, 19.6179, 7.7115



35.0430, 1.4578, -0.9147



17.4980, 41.6595, -15.3457



39.1340, 94.0969, -34.3205



# Inverse Universe

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



38.1180, -5.4812, 31.4685



41.0170, -8.8824, 49.0971



61.7930, -19.6179, -7.7115



35.3100, -0.1528, 2.3591



31.6380, -10.6675, 61.7075



71.2780, -24.2941, 139.1992



# Previews

## White Background



This preview shows how the YUV color 30.8630, 21.2665, -7.7729 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

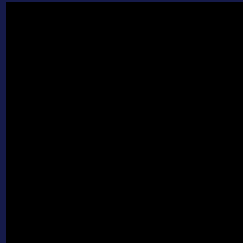
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 30.8630, 21.2665, -7.7729**

## **Background**



This preview shows how black text looks on a background with the YUV color 30.8630, 21.2665, -7.7729.



This preview shows how white text looks on a background with the YUV color 30.8630, 21.2665,

-7.7729.

# 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

30.8630, 21.2665, -7.7729

### Protanopia

25.7210, 19.8575, -22.5573

### Deuteranopia

25.8690, 15.3476, -22.6871



## Tritanopia

25.5780, 6.6170, -22.4319

# Trichromacy



## Original Color

30.8630, 21.2665, -7.7729

## Protanomaly

27.8680, 20.2781, -17.4242

## Deuteranomaly

27.7710, 17.3679, -17.3392

## Tritanomaly

27.6910, 11.9843, -17.2690

# Monochromacy



## Original Color

30.8630, 21.2665, -7.7729

## Achromatopsia

31.0000, 0.0000, 0.0000

## Achromatomaly

31.3400, 7.7204, -2.9292

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 30.8630, 21.2665, -7.7729 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(22, 27, 74)` looks like.

```
.text, #text, p{  
    color:rgb(22, 27, 74)  
}
```

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(22, 27, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 27, 74) }
```

## Border

The CSS property to change the border of an element to YUV 30.8630, 21.2665, -7.7729 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(22, 27, 74) }
```



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

```
.border{ border-color:rgb(22, 27, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 27, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 27, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 27, 74);  
box-shadow:4px 4px 4px 4px rgb(22, 27, 74)  
}
```

# Background

The CSS property to change the background color of an element to YUV 30.8630, 21.2665, -7.7729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 27, 74) }
```

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

```
.background{ background-color: rgb(22, 27,  
74) }
```

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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