

# Converting Colors

YUV(27.6500, 98.2796,  
-22.4950)

Have a look what the booklet for  
YUV(27.6500, 98.2796, -22.4950)  
contains.

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# Color

**YUV(27.6500, 98.2796,  
-22.4950)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0202E3
RGB	2, 2, 227
RGB Percent	1%, 1%, 89%
CMY	0.9922, 0.9922, 0.1098
CMYK	0.99, 0.99, 0.00, 0.11
HSL	240°, 98%, 45%
HSV	240°, 99%, 89%
XYZ	13.9119, 5.6024, 73.0212
YIQ	27.6500, -72.2250, 69.9750

# Conversions

## Conversions Part 2

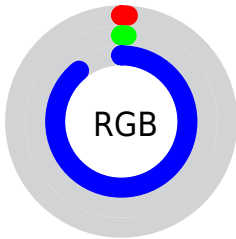
<b>Format</b>	<b>Color</b>
<b>RYB</b>	2, 2, 227
Decimal	131811
CIELab	28.39, 72.18, -98.53
CIELCh	28, 122.145, 306.225
Yxy	5.6024, 0.1503, 0.0605
Android (android.graphics.Color)	4278321891 (0xFF0202E3)
YUV	27.6500, 98.2796, -22.4950
Hunter-Lab	23.6693, 63.4937, -166.3443

# Details

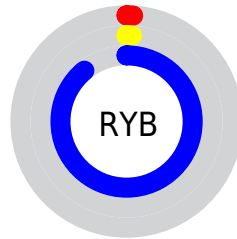
The YUV color **27.6500, 98.2796, -22.4950** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **201.3500, -98.2796, 22.4951**, and the grayscale version is **27.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **102.7730, 75.0479, 8.9691**, and **19.3800, 74.2557, -16.9963** is the 20% darker color. If you saturate the color by 10%, you get **25.8780, 99.1531, -22.6950**, and if you desaturate by 10%, it is **48.0280, 88.2332, -20.1956**.

# Distribution



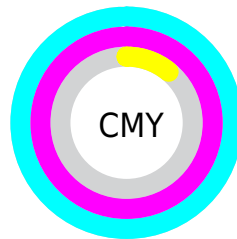
- Red (1%)
- Green (1%)
- Blue (89%)



- Red (1%)
- Yellow (1%)
- Blue (89%)



- Cyan (99%)
- Magenta (99%)
- Yellow (0%)
- Black (11%)



- Cyan (99%)
- Magenta (99%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 27.6500, 98.2796, -22.4950 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 27.6500, 98.2796, -22.4950 by changing the saturation by 10% instead.



■ 27.6500, 98.2796,  
-22.4950

■ 27.6500, 98.2796,  
-22.4950

255.0000, 0.0000,  
0.0000

■ 22.5720, 86.4860,  
-19.7956

■ 102.7730, 75.0479,  
8.9691

■ 19.3800, 74.2557,  
-16.9963

■ 129.0870, 62.0751,  
16.5867

■ 16.1880, 62.0253,  
-14.1969

■ 154.8030, 49.3971,  
22.9748

■ 16.0450, 48.7848,  
-14.0715

■ 180.5190, 36.7191,  
29.3628

■ 17.7770, 35.1129,  
-15.5904

■ 206.5230, 23.8992,  
34.6213

■ 11.5190, 26.3661,  
-10.1022


■ 226.2370, 14.1802,


■ 6.5490, 17.4773,


25.2252


-5.7435


 243.2600, 5.7878,  
10.2960


 2.8670, 8.4466,  
-2.5144


 0.0000, 0.0000,  
0.0000


 27.6500, 98.2796,  
-22.4950


 27.6500, 98.2796,  
-22.4950

 25.8780, 99.1531,  
-22.6950

 48.0280, 88.2332,  
-20.1956

 67.5200, 78.6236,  
-17.9960

 87.8980, 68.5773,  
-15.6965

 108.2760, 58.5309,  
-13.3971

■ 127.7680, 48.9214,  
-11.1975

■ 148.1460, 38.8750,  
-8.8980

■ 168.5240, 28.8287,  
-6.5985

■ 188.9020, 18.7823,  
-4.2991

■ 208.3940, 9.1728,  
-2.0995

# Harmonies

## Analogous

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



77.7910, 87.3640, -68.2227



27.6500, 98.2796, -22.4950



71.0620, 36.9444, 97.2926

# Triad

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



27.6500, 98.2796, -22.4950



46.2570, -22.8047, 81.3356



64.3950, 10.6513, -56.4744

# Complementary

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



27.6500, 98.2796, -22.4950



201.3500, -98.2796, 22.4951

# 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.



52.8300, -26.0452, -46.3319



27.6500, 98.2796, -22.4950



61.1120, -30.1282, 3.4098

# Square

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



27.6500, 98.2796, -22.4950



56.8100, -28.0073, 116.8076



50.4820, -24.8876, -44.2727



76.9860, 51.2789, -67.5167



# Rectangle

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



27.6500, 98.2796, -22.4950



71.7680, 6.0304, 119.4755



50.4820, -24.8876, -44.2727



59.9320, -3.9105, -52.5604

# Sweetspot

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



27.6500, 98.2796, -22.4950



187.6640, 33.1966, -7.5983



159.7250, 33.1666, -138.3248



87.2440, 20.0927, -4.5990



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.



27.6500, 98.2796, -22.4950



29.0700, 111.3835, -25.4944



61.4370, 81.6226, 46.9748



104.3680, 5.2416, -1.1997



20.4060, 78.1868, -17.8961



5.8140, 22.2767, -5.0989



# Inverse Universe

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



94.9250, 65.1130, 115.8298



105.3150, 73.7947, 131.2737



167.8620, -81.7700, -46.3600



107.9560, 3.4727, 6.1776



73.9270, 51.8010, 92.1490

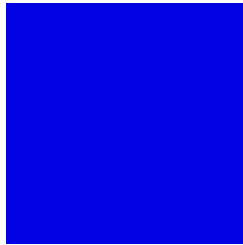


21.0630, 14.7589, 26.2547



# Previews

## White Background



This preview shows how the YUV color 27.6500, 98.2796, -22.4950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

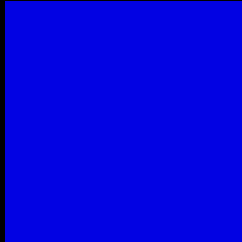
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 27.6500, 98.2796, -22.4950 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 27.6500, 98.2796, -22.4950 Background



This preview shows how black text looks on a background with the YUV color 27.6500, 98.2796, -22.4950.



This preview shows how white text looks on a background with the YUV color 27.6500, 98.2796, -22.4950.



# 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

27.6500, 98.2796, -22.4950

### Protanopia

54.5880, 41.6151, -47.8737

### Deuteranopia

55.1290, 30.9954, -48.3481



## Tritanopia

53.7320, 12.9501, -47.1230

# Trichromacy



## Original Color

27.6500, 98.2796, -22.4950

## Protanomaly

45.0340, 62.1012, -38.6178

## Deuteranomaly

45.3130, 55.5547, -38.8625

## Tritanomaly

44.2240, 43.7666, -37.9074

# Monochromacy



## Original Color

27.6500, 98.2796, -22.4950

## Achromatopsia

28.0000, 0.0000, 0.0000

## Achromatomaly

28.2340, 35.3806, -8.0982

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 27.6500, 98.2796, -22.4950 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(2, 2, 227)` looks like.

```
.text, #text, p{  
    color:rgb(2, 2, 227)  
}
```

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(2, 2, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 2, 227) }
```

## Border

The CSS property to change the border of an element to YUV 27.6500, 98.2796, -22.4950 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(2, 2, 227) }
```



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

```
.border{ border-color:rgb(2, 2, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 2, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 2, 227); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 2, 227); box-shadow:4px  
4px 4px 4px rgb(2, 2, 227) }
```

# Background

The CSS property to change the background color of an element to YUV 27.6500, 98.2796, -22.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 2, 227) }
```

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

```
.background{ background-color: rgb(2, 2,  
227) }
```

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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