

# Converting Colors

YUV(35.8510, 79.9395,  
-20.0403)

Have a look what the booklet for  
YUV(35.8510, 79.9395, -20.0403)  
contains.

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# Color

**YUV(35.8510, 79.9395,  
-20.0403)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0D10C6
RGB	13, 16, 198
RGB Percent	5%, 6%, 78%
CMY	0.9490, 0.9373, 0.2235
CMYK	0.93, 0.92, 0.00, 0.22
HSL	239°, 88%, 41%
HSV	239°, 93%, 78%
XYZ	10.5443, 4.5334, 53.7454
YIQ	35.8510, -60.2100, 55.9660

# Conversions

## Conversions Part 2

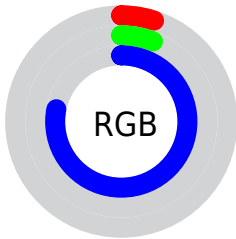
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	13, 16, 198
Decimal	856262
CIE Lab	25.36, 61.97, -86.75
CIE LCh	25, 106.607, 305.540
Yxy	4.5334, 0.1532, 0.0659
Android (android.graphics.Color)	4279046342 (0xFF0D10C6)
YUV	35.8510, 79.9395, -20.0403
Hunter-Lab	21.2917, 51.1383, -134.7580

# Details

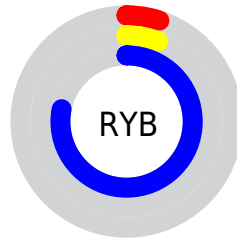
The YUV color **35.8510, 79.9395, -20.0403** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **175.1490, -79.9395, 20.0403**, and the grayscale version is **35.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **101.8540, 75.5010, 3.6360**, and **16.1880, 62.0253, -14.1969** is the 20% darker color. If you saturate the color by 10%, you get **24.3330, 85.6178, -21.3400**, and if you desaturate by 10%, it is **52.9840, 71.4929, -17.5260**.

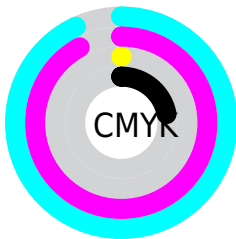
# Distribution



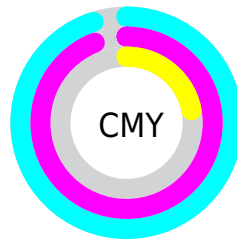
- Red (5%)
- Green (6%)
- Blue (78%)



- Red (5%)
- Yellow (6%)
- Blue (78%)



- Cyan (93%)
- Magenta (92%)
- Yellow (0%)
- Black (22%)



- Cyan (95%)
- Magenta (94%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 35.8510, 79.9395, -20.0403 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 35.8510, 79.9395, -20.0403 by changing the saturation by 10% instead.



■ 35.8510, 79.9395,  
-20.0403

■ 35.8510, 79.9395,  
-20.0403

■ 255.0000, 0.0000,  
0.0000

■ 19.3800, 74.2557,  
-16.9963

■ 101.8540, 75.5010,  
3.6360

■ 16.1880, 62.0253,  
-14.1969

■ 126.9830, 63.1124,  
10.5389

■ 13.2240, 50.6686,  
-11.5974

■ 151.8130, 50.8712,  
16.8270

■ 17.8910, 35.5497,  
-15.6904

■ 176.9310, 38.4880,  
21.9855

■ 11.5190, 26.3661,  
-10.1022

■ 202.9350, 25.6680,  
27.2440

■ 6.5490, 17.4773,  
-5.7435


■ 225.6500, 14.4696,


■ 2.8670, 8.4466,


25.7400


-2.5144


 242.6730, 6.0772,  
10.8108


 0.0000, 0.0000,  
0.0000


 35.8510, 79.9395,  
-20.0403

 35.8510, 79.9395,  
-20.0403


 24.3330, 85.6178,  
-21.3400

 52.9840, 71.4929,  
-17.5260

 70.7040, 62.7569,  
-15.5264

 87.5380, 54.4578,  
-13.6268

 105.2580, 45.7218,  
-11.6273

 122.3910, 37.2752,  
-9.1129

■ 140.1110, 28.5393,  
-7.1133

■ 157.2440, 20.0927,  
-4.5990

■ 174.6650, 11.5042,  
-3.2142

■ 191.7980, 3.0576,  
-0.6998

# Harmonies

## Analogous

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



69.1850, 79.7748, -60.6752



35.8510, 79.9395, -20.0403



61.9480, 33.0566, 84.2376

# Triad

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



35.8510, 79.9395, -20.0403



44.7070, -22.0406, 69.5400



57.1570, 8.3036, -50.1267

# Complementary

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



35.8510, 79.9395, -20.0403



175.1490, -79.9395, 20.0403

# 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



35.8510, 79.9395, -20.0403



55.2200, -27.2235, 5.0691

# Square

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



35.8510, 79.9395, -20.0403



50.2320, -24.7644, 103.2825



45.1990, -22.2831, -39.6395



68.2660, 43.2529, -59.8693



# Rectangle

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



35.8510, 79.9395, -20.0403



62.7830, 6.5160, 103.6763



45.1990, -22.2831, -39.6395



53.9650, -3.9267, -47.3273

# Sweetspot

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



35.8510, 79.9395, -20.0403



192.6810, 30.7233, -7.6132



142.3430, 25.9599, -113.4338



89.6030, 18.9297, -4.9138



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.



35.8510, 79.9395, -20.0403



31.4180, 110.2259, -27.5536



60.7010, 67.6884, 36.2192



91.0260, 3.9312, -0.8998



20.3430, 70.3299, -17.8408



4.6910, 15.4353, -4.1140



# Inverse Universe

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



68.6570, -25.9599, 113.4338



76.7010, -35.8416, 156.3682



150.2990, -67.6884, -36.2192



92.6910, -1.3267, 5.5330



49.0790, -22.7169, 99.9087

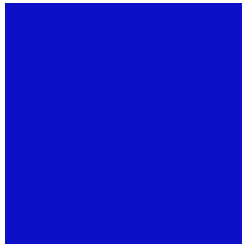


10.8780, -4.8699, 22.0320



# Previews

## White Background



This preview shows how the YUV color 35.8510, 79.9395, -20.0403 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

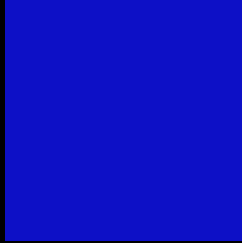
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 35.8510, 79.9395, -20.0403 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

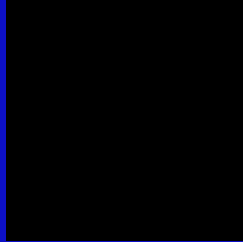
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 35.8510, 79.9395, -20.0403

## Background



This preview shows how black text looks on a background with the YUV color 35.8510, 79.9395, -20.0403.



This preview shows how white text looks on a background with the YUV color 35.8510, 79.9395,



# 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

35.8510, 79.9395, -20.0403

### Protanopia

48.7690, 37.0889, -42.7704

### Deuteranopia

48.9510, 27.6322, -42.9300



## Tritanopia

48.0100, 11.3341, -42.1048

# Trichromacy



## Original Color

35.8510, 79.9395, -20.0403

## Protanomaly

43.9500, 52.7756, -34.1592

## Deuteranomaly

44.3430, 46.6659, -34.5038

## Tritanomaly

43.5960, 36.1882, -33.8487

# Monochromacy



## Original Color

35.8510, 79.9395, -20.0403

## Achromatopsia

36.0000, 0.0000, 0.0000

## Achromatomaly

36.2250, 28.9761, -7.2133

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 35.8510, 79.9395, -20.0403 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(13, 16, 198)` looks like.

```
.text, #text, p{  
    color:rgb(13, 16, 198)  
}
```

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(13, 16, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 16, 198) }
```

## Border

The CSS property to change the border of an element to YUV 35.8510, 79.9395, -20.0403 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(13, 16, 198) }
```



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

```
.border{ border-color:rgb(13, 16, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 16, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 16, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 16, 198);  
box-shadow:4px 4px 4px 4px rgb(13, 16,  
198) }
```

# Background

The CSS property to change the background color of an element to YUV 35.8510, 79.9395, -20.0403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 16, 198) }
```

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

```
.background{ background-color: rgb(13, 16,  
198) }
```

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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