

# Converting Colors

YUV(83.6400, 26.7995, 84.5077)

Have a look what the booklet for  
YUV(83.6400, 26.7995, 84.5077)  
contains.

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# Color

**YUV(83.6400, 26.7995,  
84.5077)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B4188A
RGB	180, 24, 138
RGB Percent	71%, 9%, 54%
CMY	0.2941, 0.9059, 0.4588
CMYK	0.00, 0.87, 0.23, 0.29
HSL	316°, 76%, 40%
HSV	316°, 87%, 71%
XYZ	23.7365, 12.1915, 25.1469
YIQ	83.6400, 56.3820, 68.5260

# Conversions

## Conversions Part 2

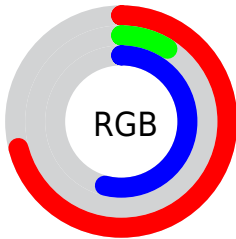
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 24, 138
Decimal	11802762
CIE <sub>Lab</sub>	41.52, 66.94, -23.54
CIE <sub>LCh</sub>	42, 70.959, 340.628
Yxy	12.1915, 0.3886, 0.1996
Android (android.graphics.Color)	4289992842 (0xFFB4188A)
YUV	83.6400, 26.7995, 84.5077
Hunter-Lab	34.9164, 60.2422, -18.2594

# Details

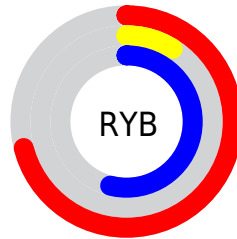
The YUV color **83.6400, 26.7995, 84.5077** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **120.3600, -26.7995, -84.5077**, and the grayscale version is **83.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **147.6520, 21.8636, 80.9892**, and **46.5100, 20.4546, 66.2047** is the 20% darker color. If you saturate the color by 10%, you get **72.5040, 29.8245, 94.2740**, and if you desaturate by 10%, it is **94.7760, 23.7744, 74.7414**.

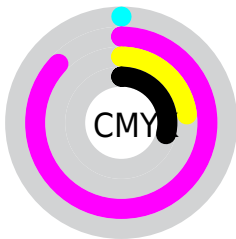
# Distribution



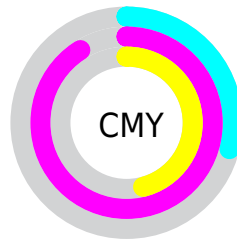
- Red (71%)
- Green (9%)
- Blue (54%)



- Red (71%)
- Yellow (9%)
- Blue (54%)



- Cyan (0%)
- Magenta (87%)
- Yellow (23%)
- Black (29%)



- Cyan (29%)
- Magenta (91%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 83.6400, 26.7995, 84.5077 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 83.6400, 26.7995, 84.5077 by changing the saturation by 10% instead.



83.6400, 26.7995,  
84.5077

83.6400, 26.7995,  
84.5077

255.0000, 0.0000,  
0.0000

57.9170, 26.6629,  
81.6338

147.6520, 21.8636,  
80.9892

46.5100, 20.4546,  
66.2047

172.3520, 23.4905,  
72.4823

35.4020, 14.0988,  
51.3904

191.9800, 27.6179,  
55.2685

25.1200, 8.3218,  
37.6058

209.8010, 22.2831,  
39.6395

14.2400, 2.8397,  
22.5915

226.8240, 13.8908,  
24.7104

0.0000, 0.0000,  
0.0000

244.4340, 5.2090,

9.2664

■ 83.6400, 26.7995,  
84.5077

■ 83.6400, 26.7995,  
84.5077

■ 72.5040, 29.8245,  
94.2740

■ 94.7760, 23.7744,  
74.7414

■ 68.8680, 31.1241,  
97.4628

■ 105.9120, 20.7494,  
64.9752

■ 117.0480, 17.7243,  
55.2089

■ 128.0700, 14.2625,  
45.5426

■ 139.2060, 11.2374,  
35.7763

■ 150.3420, 8.2124,  
26.0101

■ 161.4780, 5.1873,  
16.2438

■ 172.6140, 2.1623,  
6.4775

■ 183.7500, -0.8627,  
-3.2887

# Harmonies

## Analogous

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



99.2990, 43.7296, 20.7858



83.6400, 26.7995, 84.5077



68.0230, 5.9047, 113.1128

# Triad

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



83.6400, 26.7995, 84.5077



90.0730, -44.4060, 9.5830



90.7490, 40.5497, -79.5869

# Complementary

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



83.6400, 26.7995, 84.5077



120.3600, -26.7995, -84.5077

# 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.



85.0660, 16.2365, -74.6029



83.6400, 26.7995, 84.5077



73.7950, -36.3809, -44.5472

# Square

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



83.6400, 26.7995, 84.5077



92.3970, -45.5517, 50.5178



76.8240, -10.2662, -67.3746



91.3310, 58.0108, -80.0973



# Rectangle

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



83.6400, 26.7995, 84.5077



79.5070, -18.4910, 97.7794



76.8240, -10.2662, -67.3746



89.3980, 32.8348, -78.4020

# Sweetspot

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



83.6400, 26.7995, 84.5077



197.2550, 10.2273, 33.1024



54.3420, 61.9494, 10.2241



94.8420, 6.4869, 19.4326



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

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



83.6400, 26.7995, 84.5077



89.7590, 40.0518, 127.3764



74.7480, -7.2708, 92.3060



83.4890, 1.7309, 4.8331



58.5150, 26.3681, 82.8633



9.9400, 4.4666, 14.0846



# Inverse Universe

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



83.6400, 26.7995, 84.5077



89.7590, 40.0518, 127.3764



129.2520, 7.2708, -92.3060



83.4890, 1.7309, 4.8331



58.5150, 26.3681, 82.8633



9.9400, 4.4666, 14.0846



# Previews

## White Background



This preview shows how the YUV color 83.6400, 26.7995, 84.5077 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

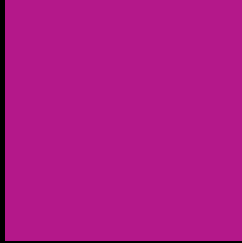
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 83.6400, 26.7995, 84.5077 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

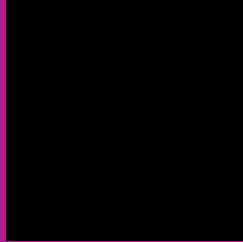
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 83.6400, 26.7995, 84.5077

## Background



This preview shows how black text looks on a background with the YUV color 83.6400, 26.7995, 84.5077.



This preview shows how white text looks on a background with the YUV color 83.6400, 26.7995,



# 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

83.6400, 26.7995, 84.5077

### Protanopia

91.3960, 49.5978, -41.5663

### Deuteranopia

100.1530, 14.7146, -6.2732



## Tritanopia

93.0260, -15.7888, 71.0142

# Trichromacy



## Original Color

83.6400, 26.7995, 84.5077

## Protanomaly

88.5050, 41.1630, 3.9421

## Deuteranomaly

94.2140, 19.1215, 26.9993

## Tritanomaly

89.7720, -0.3806, 75.6220

# Monochromacy



## Original Color

83.6400, 26.7995, 84.5077

## Achromatopsia

84.0000, 0.0000, 0.0000

## Achromatomaly

83.8310, 9.9433, 30.8432

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 83.6400, 26.7995, 84.5077 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(180, 24, 138)` looks like.

```
.text, #text, p{  
    color:rgb(180, 24, 138)  
}
```

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(180, 24, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 24, 138) }
```

## Border

The CSS property to change the border of an element to YUV 83.6400, 26.7995, 84.5077 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(180, 24, 138) }
```



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

```
.border{ border-color:rgb(180, 24, 138) }
```

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

Here you see how a box with a 4 pixel rgb(180, 24, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 24, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 24, 138);  
box-shadow:4px 4px 4px 4px rgb(180, 24,  
138) }
```

# Background

The CSS property to change the background color of an element to YUV 83.6400, 26.7995, 84.5077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 24, 138) }
```

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

```
.background{ background-color: rgb(180, 24,  
138) }
```

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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