

# Converting Colors

YUV(79.9360, 40.9506, 25.4891)

Have a look what the booklet for  
YUV(79.9360, 40.9506, 25.4891)  
contains.

|  |    |
|--|----|
| <b>YUV(79.9360, 40.9506, 25.4891)</b> .....    | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# Color

**YUV(79.9360, 40.9506,  
25.4891)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 6D31A3                    |
| RGB           | 109, 49, 163              |
| RGB Percent   | 43%, 19%, 64%             |
| CMY           | 0.5725, 0.8078, 0.3608    |
| CMYK          | 0.33, 0.70, 0.00, 0.36    |
| HSL           | 272°, 54%, 42%            |
| HSV           | 272°, 70%, 64%            |
| XYZ           | 14.0158, 8.0922, 35.4736  |
| YIQ           | 79.9360, -0.8340, 48.1740 |

# Conversions

## Conversions Part 2

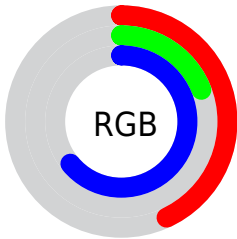
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 109, 49, 163                  |
| Decimal                             | 7156131                       |
| CIE <sub>Lab</sub>                  | 34.17, 47.89, -51.11          |
| CIE <sub>LCh</sub>                  | 34, 70.042, 313.136           |
| Yxy                                 | 8.0922, 0.2434,<br>0.1405     |
| Android<br>(android.graphics.Color) | 4285346211<br>(0xFF6D31A3)    |
| YUV                                 | 79.9360, 40.9506,<br>25.4891  |
| Hunter-Lab                          | 28.4468, 38.1659,<br>-54.0229 |

# Details

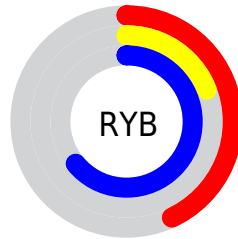
The YUV color **79.9360, 40.9506, 25.4891** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **132.0640, -40.9506, -25.4891**, and the grayscale version is **80.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **132.7020, 42.5449, 27.4483**, and **28.6860, 40.0878, 22.2004** is the 20% darker color. If you saturate the color by 10%, you get **68.1520, 46.7601, 28.8077**, and if you desaturate by 10%, it is **91.7200, 35.1410, 22.1706**.

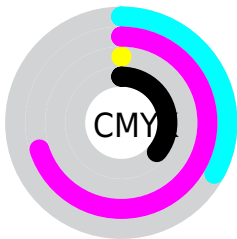
# Distribution



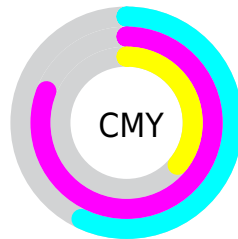
- Red (43%)
- Green (19%)
- Blue (64%)



- Red (43%)
- Yellow (19%)
- Blue (64%)



- Cyan (33%)
- Magenta (70%)
- Yellow (0%)
- Black (36%)



- Cyan (57%)
- Magenta (81%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 79.9360, 40.9506, 25.4891 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 79.9360, 40.9506, 25.4891 by changing the saturation by 10% instead.



79.9360, 40.9506,  
25.4891

79.9360, 40.9506,  
25.4891

255.0000, 0.0000,  
0.0000

52.9360, 40.9506,  
25.4891

132.7020, 42.5449,  
27.4483

28.6860, 40.0878,  
22.2004

159.9410, 43.4131,  
28.9927

17.4640, 33.2952,  
7.4861

185.2590, 34.3823,  
32.2219

6.9540, 26.6447,  
-6.0987

209.7790, 22.2940,  
36.1508

6.0930, 15.7302,  
-5.3436

227.4110, 13.6014,  
24.1956

2.2970, 6.2626,  
-2.0145

244.4340, 5.2090,

0.0000, 0.0000,

9.2664

0.0000

■ 79.9360, 40.9506,  
25.4891

■ 79.9360, 40.9506,  
25.4891

■ 68.1520, 46.7601,  
28.8077

■ 91.7200, 35.1410,  
22.1706

■ 56.0800, 52.7116,  
33.2558

■ 103.7920, 29.1895,  
17.7224

■ 44.2960, 58.5211,  
36.5744

■ 115.5760, 23.3800,  
14.4038

■ 127.3600, 17.5705,  
11.0853

■ 139.7310, 11.4716,  
7.2519

■ 151.2160, 5.8095,  
3.3186

■ 163.0000, 0.0000,  
0.0000

■ 174.7840, -5.8095,  
-3.3186

■ 186.8560,  
-11.7610, -7.7667

# Harmonies

## Analogous

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



68.7340, 60.2771, -60.2797



79.9360, 40.9506, 25.4891



60.8360, 26.2099, 86.9668

# Triad

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



79.9360, 40.9506, 25.4891



75.8180, -37.3783, 42.2556



71.7300, 15.9091, -62.9072

# Complementary

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



79.9360, 40.9506, 25.4891



132.0640, -40.9506, -25.4891

# 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.



64.4170, -9.5726, -56.4937



79.9360, 40.9506, 25.4891



73.5050, -36.2380, 3.0651

# Square

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



79.9360, 40.9506, 25.4891



63.6780, -31.3933, 82.7204



56.3520, -27.7815, -49.4207



77.6580, 38.6226, -68.1061



# Rectangle

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



79.9360, 40.9506, 25.4891



60.2060, 8.2794, 98.0433



56.3520, -27.7815, -49.4207



69.5640, 7.6099, -61.0076

# Sweetspot

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



79.9360, 40.9506, 25.4891



179.3060, 16.1181, 10.2556



94.2810, 33.8785, -39.7114



87.2640, 9.7298, 5.9075



235.0000, 0.0000, 0.0000



107.0000, 0.0000, 0.0000



# Same Dimension

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



79.9360, 40.9506, 25.4891



82.0990, 64.0412, 39.3782



95.8540, 32.1170, 58.8870



75.5210, 3.1941, 2.1741



39.2540, 52.1328, 32.2262



4.7430, 6.5357, 3.7334



# Inverse Universe

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



89.2420, 6.7827, 64.6858



96.7980, 10.4526, 101.0322



116.1460, -32.1170, -58.8870



76.1470, 0.4205, 5.1331



51.2210, 8.7650, 82.2442



6.2940, 0.8411, 10.2662



# Previews

## White Background



This preview shows how the YUV color 79.9360, 40.9506, 25.4891 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 79.9360, 40.9506, 25.4891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

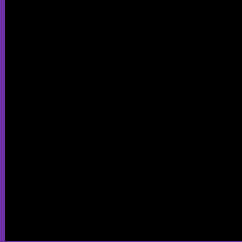
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 79.9360, 40.9506, 25.4891

## Background



This preview shows how black text looks on a background with the YUV color 79.9360, 40.9506, 25.4891.



This preview shows how white text looks on a background with the YUV color 79.9360, 40.9506,



# 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

79.9360, 40.9506, 25.4891

### Protanopia

64.5960, 49.4992, -56.6507

### Deuteranopia

65.1370, 38.8795, -57.1251



## Tritanopia

82.0660, -0.0325, 10.4661

# Trichromacy



## Original Color

79.9360, 40.9506, 25.4891

## Protanomaly

69.9850, 46.3494, -26.2968

## Deuteranomaly

70.8510, 39.5135, -27.0563

## Tritanomaly

80.9970, 14.7915, 15.7886

# Monochromacy



## Original Color

79.9360, 40.9506, 25.4891

## Achromatopsia

80.0000, 0.0000, 0.0000

## Achromatomaly

80.2520, 14.6658, 9.4260

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 79.9360, 40.9506, 25.4891 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(109, 49, 163)` looks like.

```
.text, #text, p{  
    color:rgb(109, 49, 163)  
}
```

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(109, 49, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 49, 163) }
```

## Border

The CSS property to change the border of an element to YUV 79.9360, 40.9506, 25.4891 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(109, 49, 163) }
```



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

```
.border{ border-color:rgb(109, 49, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 49, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 49, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 49, 163);  
box-shadow:4px 4px 4px 4px rgb(109, 49,  
163) }
```

# Background

The CSS property to change the background color of an element to YUV 79.9360, 40.9506, 25.4891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 49, 163) }
```

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

```
.background{ background-color: rgb(109, 49,  
163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor