

Converting Colors

YUV(68.1550, 31.9686, 13.0191)

Have a look what the booklet for
YUV(68.1550, 31.9686, 13.0191)
contains.

YUV(68.1550, 31.9686, 13.0191)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(68.1550, 31.9686,
13.0191)**

Conversions

Conversions Part 1

Format	Color
Hex	533085
RGB	83, 48, 133
RGB Percent	33%, 19%, 52%
CMY	0.6745, 0.8118, 0.4784
CMYK	0.38, 0.64, 0.00, 0.48
HSL	265°, 47%, 35%
HSV	265°, 64%, 52%
XYZ	8.8579, 5.6464, 22.8133
YIQ	68.1550, -6.4250, 33.8550

Conversions

Conversions Part 2

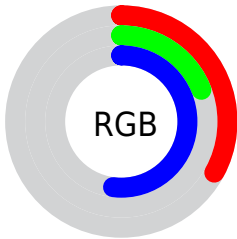
Format	Color
R_{YB}	83, 48, 133
Decimal	5451909
CIE _{Lab}	28.50, 34.87, -42.06
CIE _{LCh}	29, 54.636, 309.661
Yxy	5.6464, 0.2374, 0.1513
Android (android.graphics.Color)	4283641989 (0xFF533085)
YUV	68.1550, 31.9686, 13.0191
Hunter-Lab	23.7621, 24.9564, -40.2892

Details

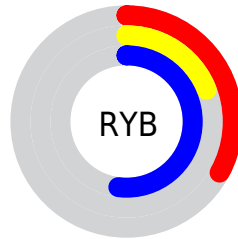
The YUV color **68.1550, 31.9686, 13.0191** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **112.8450, -31.9686, -13.0191**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **118.3340, 33.8523, 15.4931**, and **19.6060, 31.2532, 9.1155** is the 20% darker color. If you saturate the color by 10%, you get **58.1320, 36.9099, 14.7932**, and if you desaturate by 10%, it is **78.1780, 27.0272, 11.2449**.

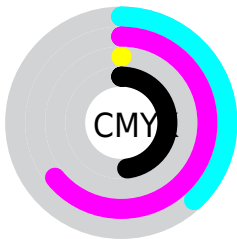
Distribution



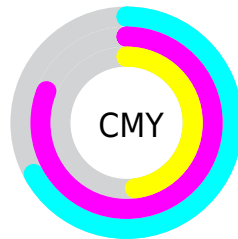
- Red (33%)
- Green (19%)
- Blue (52%)



- Red (33%)
- Yellow (19%)
- Blue (52%)



- Cyan (38%)
- Magenta (64%)
- Yellow (0%)
- Black (48%)



- Cyan (67%)
- Magenta (81%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the YUV color 68.1550, 31.9686, 13.0191 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 68.1550, 31.9686, 13.0191 by changing the saturation by 10% instead.

■ 68.1550, 31.9686,
13.0191

■ 68.1550, 31.9686,
13.0191

■ 255.0000, 0.0000,
0.0000

■ 43.9160, 31.1004,
11.4747

■ 118.3340, 33.8523,
15.4931

■ 19.6060, 31.2532,
9.1155

■ 144.2740, 34.8679,
16.4227

■ 8.8190, 24.7392,
-1.5953

■ 171.6870, 35.1573,
16.9375

■ 5.2780, 15.1459,
-4.6288

■ 196.9880, 28.5999,
20.1815

■ 1.3680, 5.2416,
-1.1997

■ 222.0950, 16.2222,
23.5957

■ 0.0000, 0.0000,
0.0000

■ 240.3250, 7.2348,

12.8700

■ 68.1550, 31.9686,
13.0191

■ 68.1550, 31.9686,
13.0191

■ 58.1320, 36.9099,
14.7932

■ 78.1780, 27.0272,
11.2449

■ 47.5220, 42.1407,
17.0822

■ 88.7880, 21.7965,
8.9559

■ 37.7980, 46.9346,
19.4712

■ 98.5120, 17.0026,
6.5670

■ 31.6070, 49.9867,
20.5157

■ 108.5350, 12.0612,
4.7928

■ 119.1450, 6.8305,
2.5038

■ 129.1680, 1.8892,
0.7297

■ 139.1910, -3.0522,
-1.0445

■ 149.2140, -7.9935,
-2.8187

■ 159.5250,
-13.0768, -5.7224

Harmonies

Analogous

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



57.8310, 46.4253, -50.7178



68.1550, 31.9686, 13.0191



58.1240, 19.1659, 59.5273

Triad

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



68.1550, 31.9686, 13.0191



63.3920, -31.2523, 37.3672



59.0150, 10.3456, -51.7562

Complementary

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



68.1550, 31.9686, 13.0191



112.8450, -31.9686, -13.0191

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.



52.8250, -8.2947, -46.3275



68.1550, 31.9686, 13.0191



62.3190, -30.7233, 7.6132

Square

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



68.1550, 31.9686, 13.0191



57.4890, -21.4401, 63.5921



51.7550, -25.5152, -29.6031



63.1020, 28.5437, -55.3405

Rectangle

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



68.1550, 31.9686, 13.0191



48.9430, 10.3811, 77.2260



51.7550, -25.5152, -29.6031



56.8320, 4.5198, -49.8417

Sweetspot

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



68.1550, 31.9686, 13.0191



147.9480, 12.3506, 5.3076



87.6270, 22.3689, -34.7529



71.6720, 7.5567, 2.9187



214.0000, 0.0000, 0.0000



87.0000, 0.0000, 0.0000

Same Dimension

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



68.1550, 31.9686, 13.0191



71.6070, 49.9867, 20.5157



80.7130, 25.7775, 38.8397



61.2820, 2.3260, 0.6297



30.9660, 48.8238, 20.2008



0.6410, 1.1630, 0.3148

Inverse Universe

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



79.1150, 9.3103, 47.2571



88.6590, 14.4651, 73.9671



100.5860, -25.9249, -38.2249



62.2500, 0.8628, 3.2888



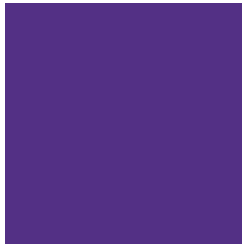
47.5340, 14.0337, 72.3227



1.0110, -0.0054, 1.7444

Previews

White Background



This preview shows how the YUV color 68.1550, 31.9686, 13.0191 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 68.1550, 31.9686, 13.0191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

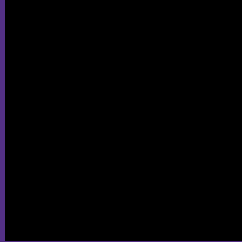
Any Text WCAG AA × Fail

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 68.1550, 31.9686, 13.0191 Background



This preview shows how black text looks on a background with the YUV color 68.1550, 31.9686, 13.0191.



This preview shows how white text looks on a background with the YUV color 68.1550, 31.9686,

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

68.1550, 31.9686, 13.0191

Protanopia

53.8870, 41.4677, -47.2589

Deuteranopia

54.2970, 32.8846, -47.6185



Tritanopia

67.8800, 2.0312, 1.8592

Trichromacy



Original Color

68.1550, 31.9686, 13.0191

Protanomaly

59.1070, 37.9082, -25.5268

Deuteranomaly

59.0270, 32.5247, -25.4567

Tritanomaly

67.7740, 12.9294, 6.3372

Monochromacy



Original Color

68.1550, 31.9686, 13.0191

Achromatopsia

68.0000, 0.0000, 0.0000

Achromatomaly

68.1220, 11.7719, 4.2780

CSS Examples

Text

The CSS property to change the color of the text to YUV 68.1550, 31.9686, 13.0191 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(83, 48, 133)` looks like.

```
.text, #text, p{  
    color:rgb(83, 48, 133)  
}
```

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(83, 48, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 48, 133) }
```

Border

The CSS property to change the border of an element to YUV 68.1550, 31.9686, 13.0191 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(83, 48, 133) }
```


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

```
.border{ border-color:rgb(83, 48, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 48, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 48, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 48, 133);  
box-shadow:4px 4px 4px 4px rgb(83, 48,  
133) }
```

Background

The CSS property to change the background color of an element to YUV 68.1550, 31.9686, 13.0191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 48, 133) }
```

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

```
.background{ background-color: rgb(83, 48,  
133) }
```

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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