

Converting Colors

YUV(68.3130, 19.0727, 42.6985)

Have a look what the booklet for
YUV(68.3130, 19.0727, 42.6985)
contains.

YUV(68.3130, 19.0727, 42.6985)	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(68.3130, 19.0727,
42.6985)**

Conversions

Conversions Part 1

Format	Color
Hex	75246B
RGB	117, 36, 107
RGB Percent	46%, 14%, 42%
CMY	0.5412, 0.8588, 0.5804
CMYK	0.00, 0.69, 0.09, 0.54
HSL	307°, 53%, 30%
HSV	307°, 69%, 46%
XYZ	10.6208, 6.1052, 14.5286
YIQ	68.3130, 25.4850, 39.2530

Conversions

Conversions Part 2

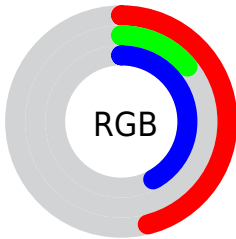
Format	Color
R_{YB}	117, 36, 107
Decimal	7677035
CIE _{Lab}	29.68, 43.95, -23.45
CIE _{LCh}	30, 49.813, 331.919
Yxy	6.1052, 0.3398, 0.1953
Android (android.graphics.Color)	4285867115 (0xFF75246B)
YUV	68.3130, 19.0727, 42.6985
Hunter-Lab	24.7087, 33.4866, -17.5661

Details

The YUV color **68.3130, 19.0727, 42.6985** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **84.6870, -19.0727, -42.6985**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **120.9110, 18.7779, 43.9281**, and **26.1610, 16.1896, 34.0618** is the 20% darker color. If you saturate the color by 10%, you get **61.1550, 22.1086, 48.9761**, and if you desaturate by 10%, it is **75.4710, 16.0368, 36.4209**.

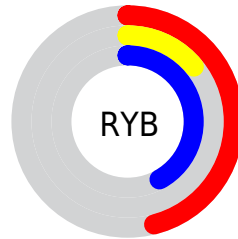
Distribution



Red (46%)

Green (14%)

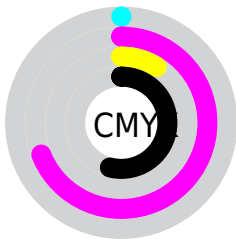
Blue (42%)



Red (46%)

Yellow (14%)

Blue (42%)

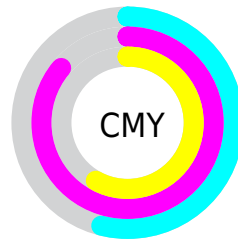


Cyan (0%)

Magenta (69%)

Yellow (9%)

Black (54%)



Cyan (54%)

Magenta (86%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the YUV color 68.3130, 19.0727, 42.6985 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 68.3130, 19.0727, 42.6985 by changing the saturation by 10% instead.

68.3130, 19.0727,
42.6985

68.3130, 19.0727,
42.6985

255.0000, 0.0000,
0.0000

39.0190, 21.6826,
45.5873

120.9110, 18.7779,
43.9281

26.1610, 16.1896,
34.0618

147.9220, 18.7725,
45.6724

17.4880, 10.1124,
23.2510

174.7480, 19.3512,
46.7020

2.0690, 5.3890,
-1.8145

202.4490, 19.4986,
46.0872

0.0000, 0.0000,
0.0000

220.3670, 17.0741,
30.3731

236.8030, 8.9711,

15.9588

253.8260, 0.5788,
1.0296

■ 68.3130, 19.0727,
42.6985

■ 68.3130, 19.0727,
42.6985

■ 61.1550, 22.1086,
48.9761

■ 75.4710, 16.0368,
36.4209

■ 54.4700, 24.4183,
54.8388

■ 82.1560, 13.7271,
30.5582

■ 47.3120, 27.4542,
61.1164

■ 89.3140, 10.6912,
24.2806

■ 46.7250, 27.7436,
61.6312

■ 96.5860, 8.0921,
17.9031

■ 103.7440, 5.0562,
11.6255

■ 110.4290, 2.7465,
5.7628

■ 117.5870, -0.2894,
-0.5148

■ 124.8590, -2.8885,
-6.8923

■ 131.4300, -5.6350,
-12.6551

Harmonies

Analogous

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



70.1810, 32.4488, -1.0357



68.3130, 19.0727, 42.6985



59.6830, 4.5933, 66.9300

Triad

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



68.3130, 19.0727, 42.6985



65.6190, -32.3502, 16.1201



63.0220, 23.1602, -55.2703

Complementary

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



68.3130, 19.0727, 42.6985



84.6870, -19.0727, -42.6985

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.



58.5760, 6.1250, -51.3712



68.3130, 19.0727, 42.6985



59.5290, -29.3478, -13.6189

Square

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



68.3130, 19.0727, 42.6985



65.1970, -32.1421, 42.8002



52.8420, -10.7681, -46.3424



64.4530, 36.2587, -56.5253

Rectangle

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



68.3130, 19.0727, 42.6985



60.3550, -8.0630, 66.3407



52.8420, -10.7681, -46.3424



62.2410, 17.6292, -54.5854

Sweetspot

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



68.3130, 19.0727, 42.6985



133.7600, 7.5133, 16.8735



47.9250, 34.0540, -2.5652



64.9180, 4.4774, 10.5959



204.0000, 0.0000, 0.0000



77.0000, 0.0000, 0.0000

Same Dimension

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



68.3130, 19.0727, 42.6985



76.6270, 29.7639, 66.9791



63.7530, 1.6008, 46.6976



55.3640, 1.2995, 3.1888



48.6760, 28.7537, 64.3051



99.7160, 58.8070, 131.7991

Inverse Universe

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



68.3130, 19.0727, 42.6985



76.6270, 29.7639, 66.9791



89.2470, -1.6008, -46.6976



55.3640, 1.2995, 3.1888



48.6760, 28.7537, 64.3051



99.7160, 58.8070, 131.7991

Previews

White Background



This preview shows how the YUV color 68.3130, 19.0727, 42.6985 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

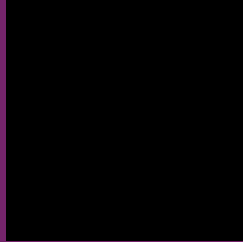
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 68.3130, 19.0727, 42.6985

Background



This preview shows how black text looks on a background with the YUV color 68.3130, 19.0727, 42.6985.



This preview shows how white text looks on a background with the YUV color 68.3130, 19.0727,

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

68.3130, 19.0727, 42.6985

Protanopia

65.8740, 34.5721, -28.8305

Deuteranopia

70.3590, 15.5990, -9.9618



Tritanopia

70.3960, -7.0972, 36.4867

Trichromacy



Original Color

68.3130, 19.0727, 42.6985

Protanomaly

66.8450, 28.6704, -2.4951

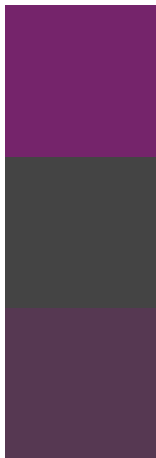
Deuteranomaly

69.8220, 16.8498, 8.9261

Tritanomaly

69.6380, 2.6435, 38.9055

Monochromacy



Original Color

68.3130, 19.0727, 42.6985

Achromatopsia

68.0000, 0.0000, 0.0000

Achromatomaly

67.9340, 6.9345, 15.8439

CSS Examples

Text

The CSS property to change the color of the text to YUV 68.3130, 19.0727, 42.6985 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(117, 36, 107)` looks like.

```
.text, #text, p{  
    color:rgb(117, 36, 107)  
}
```

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(117, 36, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 36, 107) }
```

Border

The CSS property to change the border of an element to YUV 68.3130, 19.0727, 42.6985 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(117, 36, 107) }
```


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

```
.border{ border-color:rgb(117, 36, 107) }
```

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

Here you see how a box with a 4 pixel rgb(117, 36, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 36, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 36, 107);  
box-shadow:4px 4px 4px 4px rgb(117, 36,  
107) }
```

Background

The CSS property to change the background color of an element to YUV 68.3130, 19.0727, 42.6985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 36, 107) }
```

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

```
.background{ background-color: rgb(117, 36,  
107) }
```

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