

Converting Colors

YUV(47.6630, 18.4071, 69.5785)

Have a look what the booklet for
YUV(47.6630, 18.4071, 69.5785)
contains.

YUV(47.6630, 18.4071, 69.5785)	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(47.6630, 18.4071,
69.5785)**

Conversions

Conversions Part 1

Format	Color
Hex	7F0055
RGB	127, 0, 85
RGB Percent	50%, 0%, 33%
CMY	0.5020, 1.0000, 0.6667
CMYK	0.00, 1.00, 0.33, 0.50
HSL	320°, 100%, 25%
HSV	320°, 100%, 50%
XYZ	10.3921, 5.1679, 9.0441
YIQ	47.6630, 48.4070, 53.3590

Conversions

Conversions Part 2

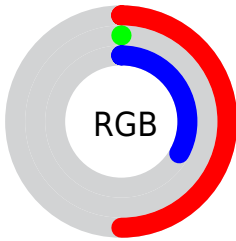
Format	Color
R_{YB}	127, 0, 85
Decimal	8323157
CIE _{Lab}	27.21, 52.85, -12.77
CIE _{LCh}	27, 54.368, 346.419
Yxy	5.1679, 0.4224, 0.2100
Android (android.graphics.Color)	4286513237 (0xFF7F0055)
YUV	47.6630, 18.4071, 69.5785
Hunter-Lab	22.7330, 41.8160, -7.6748

Details

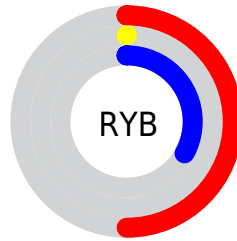
The YUV color **47.6630, 18.4071, 69.5785** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **79.3370, -18.4071, -69.5785**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **110.9090, 11.8769, 64.1008**, and **26.3870, 6.7112, 40.8796** is the 20% darker color. If you saturate the color by 10%, you get **47.6630, 18.4071, 69.5785**, and if you desaturate by 10%, it is **55.7500, 16.3923, 62.4862**.

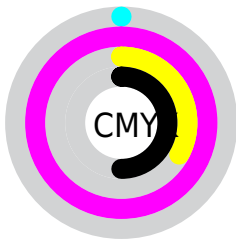
Distribution



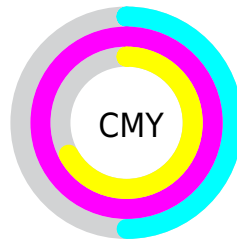
- Red (50%)
- Green (0%)
- Blue (33%)



- Red (50%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (50%)



- Cyan (50%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YUV color 47.6630, 18.4071, 69.5785 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 47.6630, 18.4071, 69.5785 by changing the saturation by 10% instead.

47.6630, 18.4071,
69.5785

47.6630, 18.4071,
69.5785

255.0000, 0.0000,
0.0000

36.9680, 12.3408,
55.2791

110.9090, 11.8769,
64.1008

26.3870, 6.7112,
40.8796

138.9800, 10.8559,
64.9155

16.5180, 1.2236,
27.6097

166.5780, 10.5610,
66.1451

0.0000, 0.0000,
0.0000

189.5060, 13.0615,
57.4382

209.1340, 17.1889,
40.2245

227.4110, 13.6014,

24.1956

244.4340, 5.2090,
9.2664

47.6630, 18.4071,
69.5785

55.7500, 16.3923,
62.4862

63.2500, 14.6668,
55.9087

71.4510, 13.0887,
48.7165

79.5380, 11.0738,
41.6242

87.6250, 9.0589,
34.5319

■ 95.1250, 7.3334,
27.9544

■ 103.2120, 5.3185,
20.8621

■ 111.4130, 3.7404,
13.6698

■ 118.9130, 2.0149,
7.0923

Harmonies

Analogous

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



64.6080, 28.2943, 24.8998



47.6630, 18.4071, 69.5785



45.3810, -0.6808, 78.5959

Triad

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



47.6630, 18.4071, 69.5785



58.1440, -28.6650, 0.7507



61.2100, 31.4485, -53.6812

Complementary

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



47.6630, 18.4071, 69.5785



79.3370, -18.4071, -69.5785

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.



57.4650, 14.5608, -50.3968



47.6630, 18.4071, 69.5785



45.1990, -22.2831, -39.6395

Square

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



47.6630, 18.4071, 69.5785



61.2770, -30.2096, 29.5751



51.8620, -4.3690, -45.4830



60.6690, 42.0682, -53.2067

Rectangle

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



47.6630, 18.4071, 69.5785



52.5370, -17.5197, 66.1811



51.8620, -4.3690, -45.4830



60.4290, 25.9175, -52.9962

Sweetspot

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



47.6630, 18.4071, 69.5785



134.7120, 7.0440, 27.4396



26.4380, 49.5771, 11.8939



65.2500, 4.3137, 16.4438



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000

Same Dimension

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



47.6630, 18.4071, 69.5785



62.2880, 24.0150, 90.9554



40.5950, -8.6743, 75.7772



59.6630, 1.1521, 3.8035



47.9620, 18.2597, 70.1933



0.0000, 0.0000, 0.0000

Inverse Universe

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



47.6630, 18.4071, 69.5785



62.2880, 24.0150, 90.9554



86.4050, 8.6743, -75.7772



59.6630, 1.1521, 3.8035



47.9620, 18.2597, 70.1933



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YUV color 47.6630, 18.4071, 69.5785 looks on a white background.

Color Contrast Check

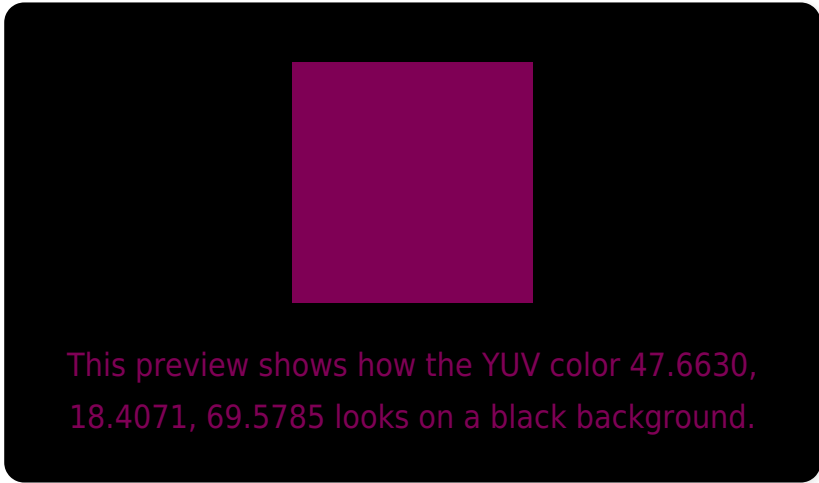
Large Text (above 18pt) WCAG AA ✓ Pass

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

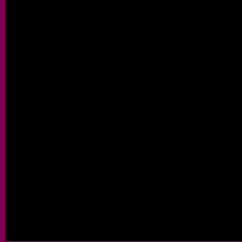
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 47.6630, 18.4071, 69.5785

Background



This preview shows how black text looks on a background with the YUV color 47.6630, 18.4071, 69.5785.



This preview shows how white text looks on a background with the YUV color 47.6630, 18.4071,

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

47.6630, 18.4071, 69.5785

Protanopia

65.0940, 27.5617, -20.2534

Deuteranopia

68.3790, 5.2362, 0.5446



Tritanopia

61.0240, -12.8298, 55.2300

Trichromacy



Original Color

47.6630, 18.4071, 69.5785

Protanomaly

58.7930, 24.2591, 12.4595

Deuteranomaly

60.7980, 9.9596, 25.6102

Tritanomaly

56.3310, -1.6422, 60.2227

Monochromacy



Original Color

47.6630, 18.4071, 69.5785

Achromatopsia

48.0000, 0.0000, 0.0000

Achromatomaly

48.1740, 6.3232, 25.2804

CSS Examples

Text

The CSS property to change the color of the text to YUV 47.6630, 18.4071, 69.5785 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(127, 0, 85)` looks like.

```
.text, #text, p{  
    color:rgb(127, 0, 85)  
}
```

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(127, 0, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 0, 85) }
```

Border

The CSS property to change the border of an element to YUV 47.6630, 18.4071, 69.5785 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(127, 0, 85) }
```


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

```
.border{ border-color:rgb(127, 0, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 0, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(127, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to YUV 47.6630, 18.4071, 69.5785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 0, 85) }
```

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

```
.background{ background-color: rgb(127, 0,  
85) }
```

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