

Converting Colors

YUV(29.8740, 7.9501, 16.7735)

Have a look what the booklet for
YUV(29.8740, 7.9501, 16.7735)
contains.

YUV(29.8740, 7.9501, 16.7735)	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(29.8740, 7.9501,
16.7735)**

Conversions

Conversions Part 1

Format	Color
Hex	31112E
RGB	49, 17, 46
RGB Percent	19%, 7%, 18%
CMY	0.8078, 0.9333, 0.8196
CMYK	0.00, 0.65, 0.06, 0.81
HSL	306°, 48%, 13%
HSV	306°, 65%, 19%
XYZ	1.9602, 1.2511, 2.7229
YIQ	29.8740, 9.7630, 15.8030

Conversions

Conversions Part 2

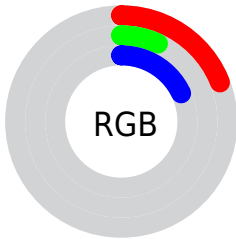
Format	Color
R_{YB}	49, 17, 46
Decimal	3215662
CIE _{Lab}	10.93, 21.04, -12.06
CIE _{LCh}	11, 24.252, 330.189
Yxy	1.2511, 0.3303, 0.2108
Android (android.graphics.Color)	4281405742 (0xFF31112E)
YUV	29.8740, 7.9501, 16.7735
Hunter-Lab	11.1854, 11.7074, -6.6037

Details

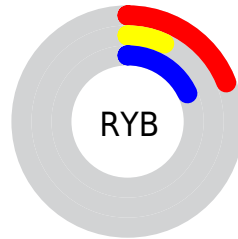
The YUV color **29.8740, 7.9501, 16.7735** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **36.1260, -7.9501, -16.7735**, and the grayscale version is **30.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **74.9990, 8.3815, 18.4179**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **26.9390, 9.3971, 19.3475**, and if you desaturate by 10%, it is **32.8090, 6.5032, 14.1995**.

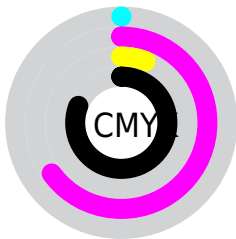
Distribution



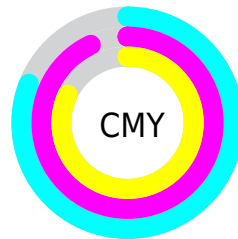
- Red (19%)
- Green (7%)
- Blue (18%)



- Red (19%)
- Yellow (7%)
- Blue (18%)



- Cyan (0%)
- Magenta (65%)
- Yellow (6%)
- Black (81%)



- Cyan (81%)
- Magenta (93%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YUV color 29.8740, 7.9501, 16.7735 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 29.8740, 7.9501, 16.7735 by changing the saturation by 10% instead.

■ 29.8740, 7.9501,
16.7735

■ 29.8740, 7.9501,
16.7735

■ 249.1300, 2.8939,
5.1480

■ 12.2330, 6.7871,
16.4587

■ 74.9990, 8.3815,
18.4179

■ 0.0000, 0.0000,
0.0000

■ 99.7110, 8.5235,
19.5475


■ 124.4230, 8.6655,
20.6770

■ 150.8360, 8.9549,
21.1918

■ 177.2490, 9.2442,
21.7066


■ 204.9610, 9.3862,

22.8362


 231.7650, 9.9759,
20.3771

 29.8740, 7.9501,
16.7735

 29.8740, 7.9501,
16.7735


 26.9390, 9.3971,
19.3475


 32.8090, 6.5032,
14.1995

 23.8900, 10.4072,
22.0215

 35.8580, 5.4930,
11.5255

 20.9550, 11.8542,
24.5955

 38.7930, 4.0461,
8.9515

 19.6670, 11.9962,
25.7250

 41.8420, 3.0359,
6.2776

 44.7770, 1.5889,
3.7036

■ 47.2390, 0.8682,
1.5444

■ 50.1740, -0.5788,
-1.0296

■ 53.2230, -1.5889,
-3.7036

■ 56.1580, -3.0359,
-6.2776

Harmonies

Analogous

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



29.9580, 13.8247, -0.8402



29.8740, 7.9501, 16.7735



27.8060, 1.0816, 26.4801

Triad

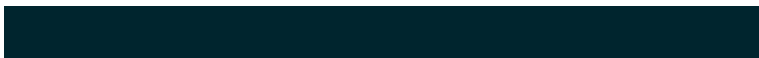
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.8740, 7.9501, 16.7735



28.3850, -13.9938, 8.4324



26.9630, 9.3852, -23.6466

Complementary

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



29.8740, 7.9501, 16.7735



36.1260, -7.9501, -16.7735

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.



25.0250, 1.9597, -21.9469



29.8740, 7.9501, 16.7735



26.2480, -12.9403, -2.8485

Square

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



29.8740, 7.9501, 16.7735



28.1630, -13.8844, 20.0280



22.1580, -6.4869, -19.4326



27.1570, 15.2056, -23.8167

Rectangle

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



29.8740, 7.9501, 16.7735



27.4380, -4.1599, 27.6799



22.1580, -6.4869, -19.4326



26.2790, 6.7645, -23.0467

Sweetspot

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



29.8740, 7.9501, 16.7735



56.2550, 3.3253, 6.7924



21.5450, 13.5353, -1.3550



28.1900, 1.8783, 4.2184



161.0000, 0.0000, 0.0000



33.0000, 0.0000, 0.0000

Same Dimension

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



29.8740, 7.9501, 16.7735



34.0800, 12.2856, 26.2398



28.0500, 0.9614, 18.3732



24.1250, 0.4314, 1.6444



35.8450, 22.2614, 46.6169



87.2270, 53.6251, 113.8109

Inverse Universe

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



29.8740, 7.9501, 16.7735



34.0800, 12.2856, 26.2398



37.9500, -0.9613, -18.3731



24.1250, 0.4314, 1.6444



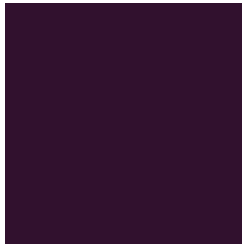
35.8450, 22.2614, 46.6169



87.2270, 53.6251, 113.8109

Previews

White Background



This preview shows how the YUV color 29.8740, 7.9501, 16.7735 looks on a white background.

Color Contrast Check

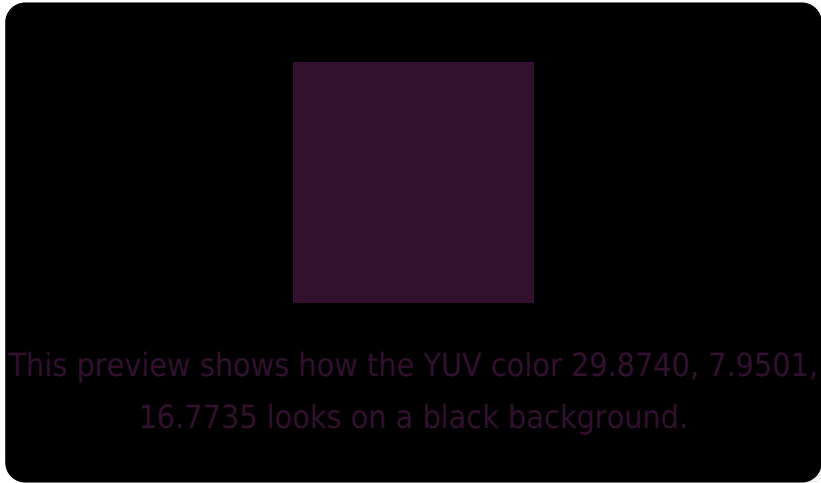
Large Text (above 18pt) WCAG AA ✓ Pass

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

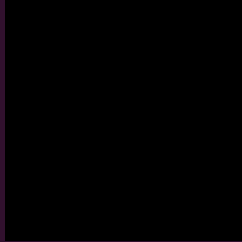
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 29.8740, 7.9501, 16.7735

Background



This preview shows how black text looks on a background with the YUV color 29.8740, 7.9501, 16.7735.



This preview shows how white text looks on a background with the YUV color 29.8740, 7.9501,

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

29.8740, 7.9501, 16.7735

Protanopia

28.8920, 13.8572, -11.3063

Deuteranopia

30.1010, 6.8522, -4.4736



Tritanopia

30.4040, -2.6642, 14.5547

Trichromacy



Original Color

29.8740, 7.9501, 16.7735

Protanomaly

29.0890, 11.7881, -0.9551

Deuteranomaly

29.9710, 7.4093, 3.5334

Tritanomaly

30.4410, 1.2616, 15.3992

Monochromacy



Original Color

29.8740, 7.9501, 16.7735

Achromatopsia

30.0000, 0.0000, 0.0000

Achromatomaly

29.8420, 3.0359, 6.2776

CSS Examples

Text

The CSS property to change the color of the text to YUV 29.8740, 7.9501, 16.7735 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(49, 17, 46)` looks like.

```
.text, #text, p{  
    color:rgb(49, 17, 46)  
}
```

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(49, 17, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 17, 46) }
```

Border

The CSS property to change the border of an element to YUV 29.8740, 7.9501, 16.7735 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(49, 17, 46) }
```


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

```
.border{ border-color:rgb(49, 17, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 17, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 17, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 17, 46);  
box-shadow:4px 4px 4px 4px rgb(49, 17, 46)  
}
```

Background

The CSS property to change the background color of an element to YUV 29.8740, 7.9501, 16.7735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 17, 46) }
```

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

```
.background{ background-color: rgb(49, 17,  
46) }
```

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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