

Converting Colors

YUV(46.4080, 11.6309, 49.6312)

Have a look what the booklet for
YUV(46.4080, 11.6309, 49.6312)
contains.

YUV(46.4080, 11.6309, 49.6312)	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(46.4080, 11.6309,
49.6312)**

Conversions

Conversions Part 1

Format	Color
Hex	670D46
RGB	103, 13, 70
RGB Percent	40%, 5%, 27%
CMY	0.5961, 0.9490, 0.7255
CMYK	0.00, 0.87, 0.32, 0.60
HSL	322°, 78%, 23%
HSV	322°, 87%, 40%
XYZ	6.8429, 3.6136, 6.1312
YIQ	46.4080, 35.3430, 36.8070

Conversions

Conversions Part 2

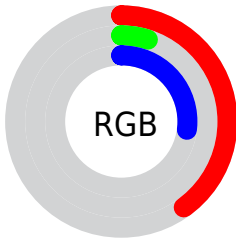
Format	Color
R_{YB}	103, 13, 70
Decimal	6753606
CIE _{Lab}	22.35, 42.70, -10.54
CIE _{LCh}	22, 43.980, 346.139
Yxy	3.6136, 0.4125, 0.2178
Android (android.graphics.Color)	4284943686 (0xFF670D46)
YUV	46.4080, 11.6309, 49.6312
Hunter-Lab	19.0095, 30.9888, -5.8163

Details

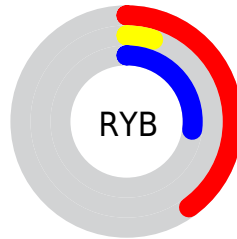
The YUV color **46.4080, 11.6309, 49.6312** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **69.5920, -11.6309, -49.6312**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **100.8980, 8.4313, 49.2015**, and **18.9250, 3.9810, 29.8838** is the 20% darker color. If you saturate the color by 10%, you get **40.0820, 12.7776, 55.1791**, and if you desaturate by 10%, it is **52.7340, 10.4841, 44.0833**.

Distribution



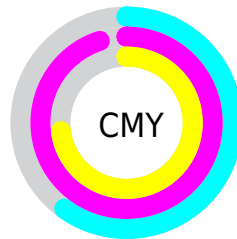
- Red (40%)
- Green (5%)
- Blue (27%)



- Red (40%)
- Yellow (5%)
- Blue (27%)



- Cyan (0%)
- Magenta (87%)
- Yellow (32%)
- Black (60%)



- Cyan (60%)
- Magenta (95%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the YUV color 46.4080, 11.6309, 49.6312 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 46.4080, 11.6309, 49.6312 by changing the saturation by 10% instead.

46.4080, 11.6309,
49.6312

46.4080, 11.6309,
49.6312

255.0000, 0.0000,
0.0000

28.4950, 9.6160,
42.5389

100.8980, 8.4313,
49.2015

18.9250, 3.9810,
29.8838

126.9090, 8.4259,
50.9458

6.2790, -3.0955,
12.9103

154.5070, 8.1310,
52.1754


0.0000, 0.0000,
0.0000


181.5180, 8.1256,
53.9197


204.7340, 10.4841,
44.0833


224.4760, 15.0483,


26.7695

 241.4990, 6.6560,
11.8404

 46.4080, 11.6309,
49.6312

 46.4080, 11.6309,
49.6312


 40.0820, 12.7776,
55.1791


 52.7340, 10.4841,
44.0833

 38.2070, 13.2089,
56.8235

 59.6470, 9.0480,
38.0206

 65.8590, 7.4645,
32.5727

 72.1850, 6.3178,
27.0248

 79.0980, 4.8817,
20.9621

■ 85.4240, 3.7350,
15.4142

■ 91.6360, 2.1515,
9.9662

■ 97.9620, 1.0047,
4.4183

■ 104.8750, -0.4314,
-1.6444

Harmonies

Analogous

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



54.5550, 21.9114, 18.8073



46.4080, 11.6309, 49.6312



42.0920, -2.5104, 58.6783

Triad

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



46.4080, 11.6309, 49.6312



48.7080, -24.0130, 2.0101



50.1420, 24.5800, -43.9745

Complementary

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



46.4080, 11.6309, 49.6312



69.5920, -11.6309, -49.6312

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.



47.4230, 11.6235, -41.5900



46.4080, 11.6309, 49.6312



37.2800, -18.3790, -31.8176

Square

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



46.4080, 11.6309, 49.6312



50.6230, -24.9571, 24.8866



42.9600, -2.9383, -37.6759



49.8460, 33.5999, -43.7149

Rectangle

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



46.4080, 11.6309, 49.6312



46.4210, -14.9976, 50.4968



42.9600, -2.9383, -37.6759



49.7030, 20.3594, -43.5895

Sweetspot

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



46.4080, 11.6309, 49.6312



112.9730, 4.4503, 19.3177



33.1270, 34.4474, 11.2896



55.7610, 2.5828, 11.6106



196.0000, 0.0000, 0.0000



69.0000, 0.0000, 0.0000

Same Dimension

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



46.4080, 11.6309, 49.6312



50.1690, 17.6647, 74.3968



41.2780, -8.0251, 54.1302



47.8370, 0.5734, 2.7740



42.7070, 14.9344, 63.4010



89.8000, 31.1576, 133.4794

Inverse Universe

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



46.4080, 11.6309, 49.6312



50.1690, 17.6647, 74.3968



74.7220, 8.0251, -54.1302



47.8370, 0.5734, 2.7740



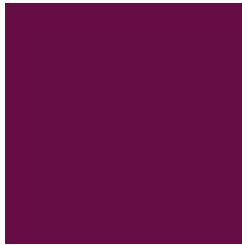
42.7070, 14.9344, 63.4010



89.8000, 31.1576, 133.4794

Previews

White Background



This preview shows how the YUV color 46.4080, 11.6309, 49.6312 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

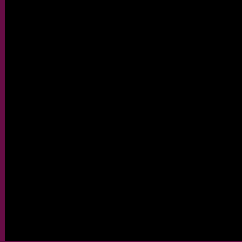
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 46.4080, 11.6309, 49.6312

Background



This preview shows how black text looks on a background with the YUV color 46.4080, 11.6309, 49.6312.



This preview shows how white text looks on a background with the YUV color 46.4080, 11.6309,

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

46.4080, 11.6309, 49.6312

Protanopia

53.6340, 21.8724, -15.4650

Deuteranopia

56.1510, 4.3626, 0.7446



Tritanopia

51.0440, -9.8817, 42.9344

Trichromacy



Original Color

46.4080, 11.6309, 49.6312

Protanomaly

50.8650, 18.3076, 8.0114

Deuteranomaly

52.6570, 7.0711, 18.7178

Tritanomaly

49.4170, -2.1776, 45.2383

Monochromacy



Original Color

46.4080, 11.6309, 49.6312

Achromatopsia

46.0000, 0.0000, 0.0000

Achromatomaly

46.2610, 4.3083, 18.1881

CSS Examples

Text

The CSS property to change the color of the text to YUV 46.4080, 11.6309, 49.6312 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(103, 13, 70)` looks like.

```
.text, #text, p{  
    color:rgb(103, 13, 70)  
}
```

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(103, 13, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 13, 70) }
```

Border

The CSS property to change the border of an element to YUV 46.4080, 11.6309, 49.6312 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(103, 13, 70) }
```


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

```
.border{ border-color:rgb(103, 13, 70) }
```

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

Here you see how a box with a 4 pixel rgb(103, 13, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 13, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 13, 70);  
box-shadow:4px 4px 4px 4px rgb(103, 13,  
70) }
```

Background

The CSS property to change the background color of an element to YUV 46.4080, 11.6309, 49.6312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 13, 70) }
```

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

```
.background{ background-color: rgb(103, 13,  
70) }
```

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