

Converting Colors

YUV(41.6840, 12.9738, 38.8651)

Have a look what the booklet for
YUV(41.6840, 12.9738, 38.8651)
contains.

YUV(41.6840, 12.9738, 38.8651)	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(41.6840, 12.9738,
38.8651)**

Conversions

Conversions Part 1

Format	Color
Hex	560E44
RGB	86, 14, 68
RGB Percent	34%, 5%, 27%
CMY	0.6627, 0.9451, 0.7333
CMYK	0.00, 0.84, 0.21, 0.66
HSL	315°, 72%, 20%
HSV	315°, 84%, 34%
XYZ	5.0382, 2.7099, 5.7264
YIQ	41.6840, 25.5780, 32.0580

Conversions

Conversions Part 2

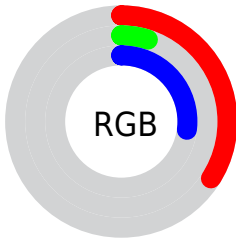
Format	Color
R_YB	86, 14, 68
Decimal	5639748
CIE _{Lab}	18.84, 37.64, -14.86
CIE _{LCh}	19, 40.467, 338.457
Yxy	2.7099, 0.3739, 0.2011
Android (android.graphics.Color)	4283829828 (0xFF560E44)
YUV	41.6840, 12.9738, 38.8651
Hunter-Lab	16.4617, 25.8229, -9.1015

Details

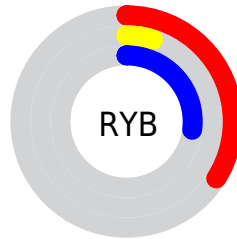
The YUV color **41.6840, 12.9738, 38.8651** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **58.3160, -12.9738, -38.8651**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.2280, 11.2266, 39.2650**, and **14.8100, 5.0237, 22.0916** is the 20% darker color. If you saturate the color by 10%, you get **36.1730, 14.7047, 43.6983**, and if you desaturate by 10%, it is **47.1950, 11.2429, 34.0320**.

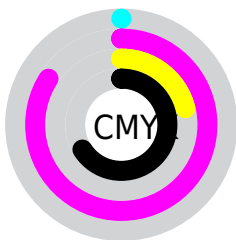
Distribution



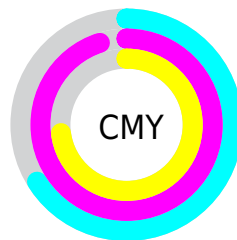
- Red (34%)
- Green (5%)
- Blue (27%)



- Red (34%)
- Yellow (5%)
- Blue (27%)



- Cyan (0%)
- Magenta (84%)
- Yellow (21%)
- Black (66%)



- Cyan (66%)
- Magenta (95%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the YUV color 41.6840, 12.9738, 38.8651 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 41.6840, 12.9738, 38.8651 by changing the saturation by 10% instead.

41.6840, 12.9738,
38.8651

41.6840, 12.9738,
38.8651

255.0000, 0.0000,
0.0000

23.4830, 11.1009,
32.9024

93.2280, 11.2266,
39.2650

14.8100, 5.0237,
22.0916

119.2390, 11.2212,
41.0094

0.0000, 0.0000,
0.0000


145.2500, 11.2157,
42.7537


172.6630, 11.5051,
43.2685


200.3750, 11.6471,
44.3981


221.1990, 15.1849,


29.6435


 237.9770, 8.3923,
14.9292


 41.6840, 12.9738,
38.8651

 41.6840, 12.9738,
38.8651


 36.1730, 14.7047,
43.6983


 47.1950, 11.2429,
34.0320

 33.1240, 15.7149,
46.3723

 52.1190, 9.8013,
29.7136

 57.6300, 8.0704,
24.8805

 62.6680, 7.0657,
20.4622

 68.1790, 5.3348,
15.6290

■ 73.6900, 3.6038,
10.7959

■ 78.6140, 2.1623,
6.4775

■ 84.1250, 0.4314,
1.6444

■ 89.0490, -1.0102,
-2.6740

Harmonies

Analogous

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



46.3040, 22.5281, 7.6264



41.6840, 12.9738, 38.8651



34.9110, 2.0159, 53.5751

Triad

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



41.6840, 12.9738, 38.8651



42.5390, -20.9717, 6.5433



43.3940, 19.0328, -38.0565

Complementary

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



41.6840, 12.9738, 38.8651



58.3160, -12.9738, -38.8651

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.



40.2020, 6.8024, -35.2572



41.6840, 12.9738, 38.8651



37.0800, -18.2804, -16.7332

Square

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



41.6840, 12.9738, 38.8651



43.2580, -21.3262, 26.9607



36.0810, -6.4489, -31.6430



43.7990, 28.2001, -38.4117

Rectangle

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



41.6840, 12.9738, 38.8651



38.0170, -8.8824, 49.0971



36.0810, -6.4489, -31.6430



42.3680, 15.1016, -37.1567

Sweetspot

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



41.6840, 12.9738, 38.8651



94.7660, 5.0454, 15.1142



27.5900, 28.7961, 3.8676



45.5650, 3.1725, 9.1515



184.0000, 0.0000, 0.0000



56.0000, 0.0000, 0.0000

Same Dimension

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



41.6840, 12.9738, 38.8651



43.0640, 20.1814, 60.4569



37.5800, -2.7509, 42.4643



40.5380, 0.7208, 2.1592



41.1130, 19.1713, 57.7829



90.3290, 42.2358, 126.8765

Inverse Universe

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



41.6840, 12.9738, 38.8651



43.0640, 20.1814, 60.4569



62.4200, 2.7509, -42.4643



40.5380, 0.7208, 2.1592



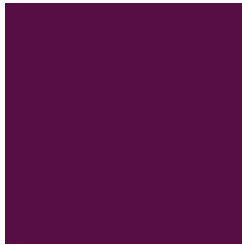
41.1130, 19.1713, 57.7829



90.3290, 42.2358, 126.8765

Previews

White Background



This preview shows how the YUV color 41.6840, 12.9738, 38.8651 looks on a white background.

Color Contrast Check

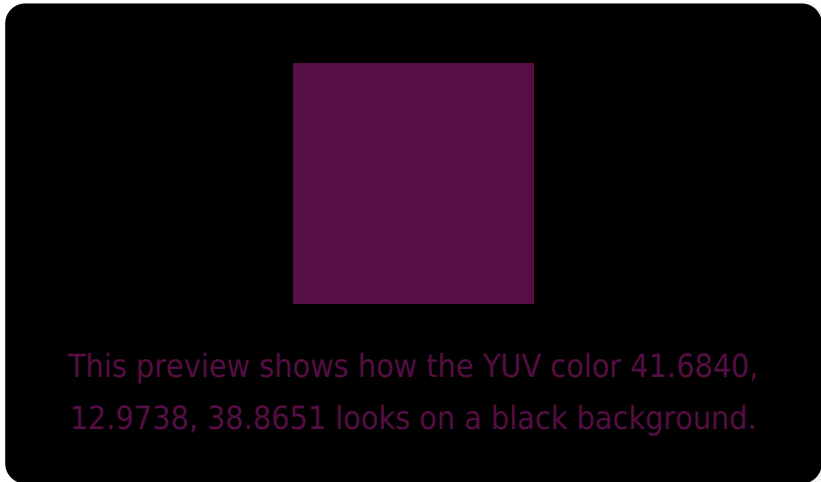
Large Text (above 18pt) WCAG AA ✓ Pass

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

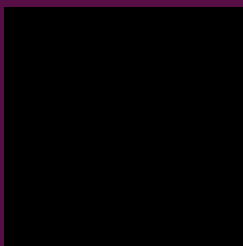
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 41.6840, 12.9738, 38.8651

Background



This preview shows how black text looks on a background with the YUV color 41.6840, 12.9738, 38.8651.



This preview shows how white text looks on a background with the YUV color 41.6840, 12.9738,

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

41.6840, 12.9738, 38.8651

Protanopia

44.1710, 24.0727, -21.1980

Deuteranopia

48.0410, 7.8678, -3.5440



Tritanopia

45.3740, -7.0864, 32.9980

Trichromacy



Original Color

41.6840, 12.9738, 38.8651

Protanomaly

43.2770, 20.0764, 0.6341

Deuteranomaly

45.5960, 9.5662, 11.7553

Tritanomaly

44.2200, -0.1085, 34.8871

Monochromacy



Original Color

41.6840, 12.9738, 38.8651

Achromatopsia

42.0000, 0.0000, 0.0000

Achromatomaly

41.9400, 4.4666, 14.0846

CSS Examples

Text

The CSS property to change the color of the text to YUV 41.6840, 12.9738, 38.8651 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(86, 14, 68)` looks like.

```
.text, #text, p{  
    color:rgb(86, 14, 68)  
}
```

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(86, 14, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 14, 68) }
```

Border

The CSS property to change the border of an element to YUV 41.6840, 12.9738, 38.8651 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(86, 14, 68) }
```


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

```
.border{ border-color:rgb(86, 14, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 14, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 14, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 14, 68);  
box-shadow:4px 4px 4px 4px rgb(86, 14, 68)  
}
```

Background

The CSS property to change the background color of an element to YUV 41.6840, 12.9738, 38.8651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 14, 68) }
```

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

```
.background{ background-color: rgb(86, 14,  
68) }
```

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