

Converting Colors

YUV(80.8180, -17.1653,
45.7636)

Have a look what the booklet for
YUV(80.8180, -17.1653, 45.7636)
contains.

YUV(80.8180, -17.1653, 45.7636)	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(80.8180, -17.1653,
45.7636)**

Conversions

Conversions Part 1

Format	Color
Hex	853D2E
RGB	133, 61, 46
RGB Percent	52%, 24%, 18%
CMY	0.4784, 0.7608, 0.8196
CMYK	0.00, 0.54, 0.65, 0.48
HSL	10°, 49%, 35%
HSV	10°, 65%, 52%
XYZ	11.8348, 8.5213, 3.6058
YIQ	80.8180, 47.7270, 10.5990

Conversions

Conversions Part 2

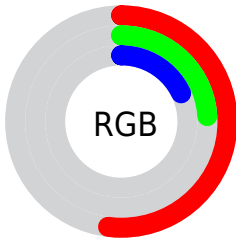
Format	Color
R_{YB}	133, 64, 46
Decimal	8731950
CIE Lab	35.05, 29.65, 23.78
CIE LCh	35, 38.012, 38.734
Yxy	8.5213, 0.4939, 0.3556
Android (android.graphics.Color)	4286922030 (0xFF853D2E)
YUV	80.8180, -17.1653, 45.7636
Hunter-Lab	29.1912, 21.2830, 13.1102

Details

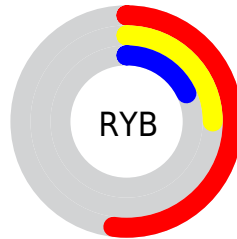
The YUV color **80.8180, -17.1653, 45.7636** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **98.1820, 17.1653, -45.7636**, and the grayscale version is **81.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **131.8680, -19.6549, 50.9818**, and **30.6650, -15.1178, 42.3898** is the 20% darker color. If you saturate the color by 10%, you get **72.8790, -19.6603, 52.7261**, and if you desaturate by 10%, it is **88.7570, -14.6702, 38.8011**.

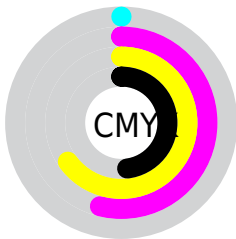
Distribution



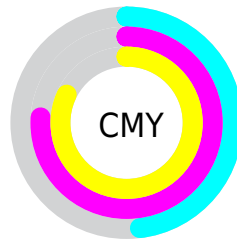
- Red (52%)
- Green (24%)
- Blue (18%)



- Red (52%)
- Yellow (25%)
- Blue (18%)



- Cyan (0%)
- Magenta (54%)
- Yellow (65%)
- Black (48%)



- Cyan (48%)
- Magenta (76%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YUV color 80.8180, -17.1653, 45.7636 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 80.8180, -17.1653, 45.7636 by changing the saturation by 10% instead.

80.8180, -17.1653,
45.7636

80.8180, -17.1653,
45.7636

255.0000, 0.0000,
0.0000

55.9640, -15.2653,
43.0046

131.8680,
-19.6549, 50.9818

30.6650, -15.1178,
42.3898

158.6510,
-20.5339, 52.9261

15.5480, -7.6652,
31.9684

186.4340,
-21.4130, 54.8704

5.6810, -2.8007,
11.6808

207.0410,
-18.7542, 42.0600

0.0000, 0.0000,
0.0000

226.5550,
-15.0636, 24.9463

246.7700,

-11.2256, 7.2177

254.7720, -0.8736,
0.2000

■ 80.8180, -17.1653,
45.7636

■ 80.8180, -17.1653,
45.7636

■ 72.8790, -19.6603,
52.7261

■ 88.7570, -14.6702,
38.8011

■ 64.8260, -22.5922,
59.7886

■ 96.8100, -11.7383,
31.7386

■ 56.8870, -25.0873,
66.7511

■ 104.7490, -9.2433,
24.7761

■ 53.2680, -26.2611,
69.9250

■ 112.6880, -6.7482,
17.8136

■ 120.7410, -3.8163,
10.7511

■ 128.6800, -1.3212,
3.7886

■ 136.6190, 1.1738,
-3.1739

■ 144.5580, 3.6689,
-10.1364

■ 152.6110, 6.6008,
-17.1988

Harmonies

Analogous

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



81.5100, -3.2094, 49.5417



80.8180, -17.1653, 45.7636



80.2710, -27.7416, 31.3343

Triad

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



80.8180, -17.1653, 45.7636



63.0780, -2.0105, -55.3194



75.9720, 32.5518, -34.1784

Complementary

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



80.8180, -17.1653, 45.7636



98.1820, 17.1653, -45.7636

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.



69.8500, 34.0909, -61.2584



80.8180, -17.1653, 45.7636



67.3130, 11.6777, -59.0335

Square

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



80.8180, -17.1653, 45.7636



74.4070, -20.9067, -14.3889



70.0320, 24.6342, -61.4181



84.9020, 22.2333, 8.8559

Rectangle

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



80.8180, -17.1653, 45.7636



78.3850, -30.7558, 18.0794



70.0320, 24.6342, -61.4181



66.7840, 37.5745, -58.5696

Sweetspot

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



80.8180, -17.1653, 45.7636



152.6880, -6.7482, 17.8136



80.2210, 18.6250, 46.2872



74.0400, -3.9637, 11.3659



214.0000, 0.0000, 0.0000



87.0000, 0.0000, 0.0000

Same Dimension

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



80.8180, -17.1653, 45.7636



91.8660, -26.5559, 71.1545



106.0590, -29.6091, 23.6273



62.3810, -1.1738, 3.1739



51.7840, -25.5295, 68.5954



0.8970, -0.4422, 1.8443

Inverse Universe

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



98.1820, 17.1653, -45.7636



119.1340, 26.5559, -71.1545



72.9410, 29.6091, -23.6273



63.6190, 1.1738, -3.1739



78.2160, 25.5295, -68.5954



1.5160, 0.7316, -1.3295

Previews

White Background



This preview shows how the YUV color 80.8180, -17.1653, 45.7636 looks on a white background.

Color Contrast Check

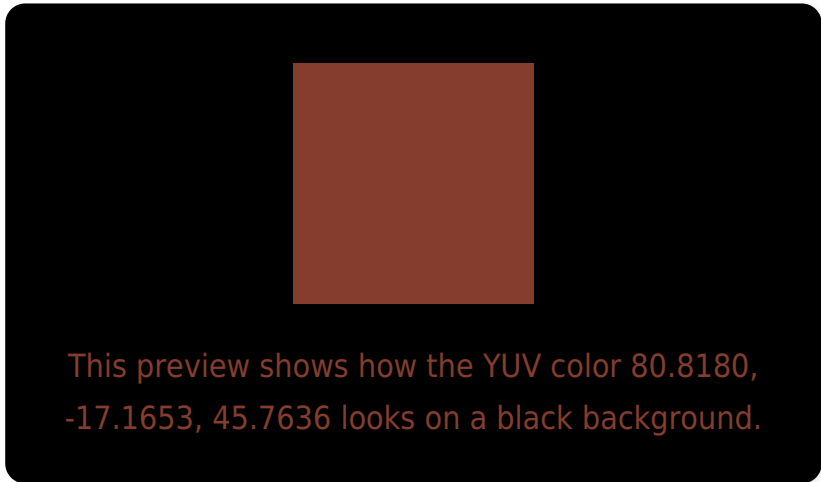
Large Text (above 18pt) WCAG AA ✓ Pass

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 80.8180, -17.1653, 45.7636

Background



This preview shows how black text looks on a background with the YUV color 80.8180, -17.1653, 45.7636.



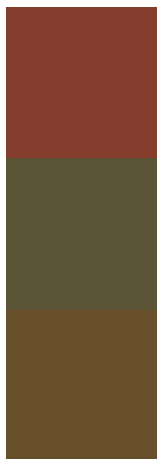
This preview shows how white text looks on a background with the YUV color 80.8180, -17.1653,

45.7636.

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

80.8180, -17.1653, 45.7636

Protanopia

81.7870, -13.6990, 7.2028

Deuteranopia

81.6590, -19.5519, 17.8391



Tritanopia

81.8810, -9.3083, 45.7084

Trichromacy



Original Color

80.8180, -17.1653, 45.7636

Protanomaly

81.5330, -15.0528, 21.4576

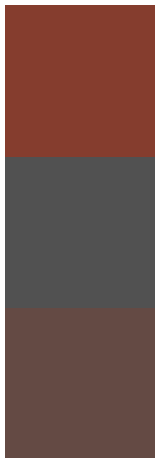
Deuteranomaly

80.9530, -18.7108, 28.1052

Tritanomaly

81.7840, -12.2185, 45.7934

Monochromacy



Original Color

80.8180, -17.1653, 45.7636

Achromatopsia

81.0000, 0.0000, 0.0000

Achromatomaly

81.0900, -6.4534, 16.5841

CSS Examples

Text

The CSS property to change the color of the text to YUV 80.8180, -17.1653, 45.7636 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(133, 61, 46)` looks like.

```
.text, #text, p{  
    color:rgb(133, 61, 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(133, 61, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 61, 46) }
```

Border

The CSS property to change the border of an element to YUV 80.8180, -17.1653, 45.7636 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(133, 61, 46) }
```


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

```
.border{ border-color:rgb(133, 61, 46) }
```

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

Here you see how a box with a 4 pixel rgb(133, 61, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 61, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 61, 46);  
box-shadow:4px 4px 4px 4px rgb(133, 61,  
46) }
```

Background

The CSS property to change the background color of an element to YUV 80.8180, -17.1653, 45.7636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 61, 46) }
```

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

```
.background{ background-color: rgb(133, 61,  
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](#).

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