

Converting Colors

YUV(45.1850, -0.5842, 0.7148)

Have a look what the booklet for
YUV(45.1850, -0.5842, 0.7148)
contains.

YUV(45.1850, -0.5842, 0.7148)	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(45.1850, -0.5842,
0.7148)**

Conversions

Conversions Part 1

Format	Color
Hex	2E2D2C
RGB	46, 45, 44
RGB Percent	18%, 18%, 17%
CMY	0.8196, 0.8235, 0.8275
CMYK	0.00, 0.02, 0.04, 0.82
HSL	30°, 2%, 18%
HSV	30°, 4%, 18%
XYZ	2.5197, 2.6395, 2.7595
YIQ	45.1850, 0.9170, -0.0990

Conversions

Conversions Part 2

Format	Color
RYB	46, 46, 44
Decimal	3026220
CIELab	18.54, 0.22, 0.80
CIElCh	19, 0.830, 74.831
Yxy	2.6395, 0.3182, 0.3333
Android (android.graphics.Color)	4281216300 (0xFF2E2D2C)
YUV	45.1850, -0.5842, 0.7148
Hunter-Lab	16.2464, -0.7470, 1.3018

Details

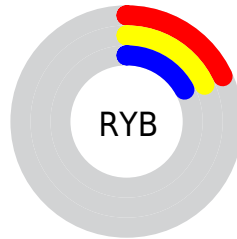
The YUV color **45.1850, -0.5842, 0.7148** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **44.8150, 0.5842, -0.7148**, and the grayscale version is **45.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **91.0710, -1.0210, 0.8147**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **43.4410, -2.1894, 2.2442**, and if you desaturate by 10%, it is **46.9290, 1.0210, -0.8147**.

Distribution



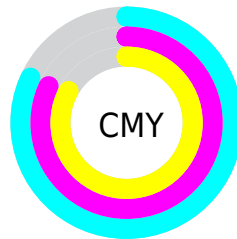
- Red (18%)
- Green (18%)
- Blue (17%)



- Red (18%)
- Yellow (18%)
- Blue (17%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (82%)



- Cyan (82%)
- Magenta (82%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the YUV color 45.1850, -0.5842, 0.7148 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 45.1850, -0.5842, 0.7148 by changing the saturation by 10% instead.

■ 45.1850, -0.5842,
0.7148

■ 45.1850, -0.5842,
0.7148

■ 255.0000, 0.0000,
0.0000

■ 24.2990, -0.1474,
0.6148

■ 91.0710, -1.0210,
0.8147

■ 0.0000, 0.0000,
0.0000

■ 115.1850, -0.5842,
0.7148

■ 141.0710, -1.0210,
0.8147

■ 167.1850, -0.5842,
0.7148

■ 194.1850, -0.5842,
0.7148

■ 222.1850, -0.5842,

0.7148

251.0710, -1.0210,
0.8147

45.1850, -0.5842,
0.7148

45.1850, -0.5842,
0.7148

43.4410, -2.1894,
2.2442

46.9290, 1.0210,
-0.8147

41.2240, -3.0684,
4.1886

49.1460, 1.9000,
-2.7590

39.4800, -4.6736,
5.7180

50.8900, 3.5052,
-4.2885

37.8500, -5.8420,
7.1476

52.5200, 4.6736,
-5.7180

36.1060, -7.4473,
8.6770

54.2640, 6.2788,
-7.2475

■ 33.7750, -8.7631,
10.7213

■ 56.5950, 7.5947,
-9.2918

■ 32.1450, -9.9315,
12.1508

■ 58.2250, 8.7631,
-10.7213

■ 30.4010, -11.5367,
13.6803

■ 59.9690, 10.3683,
-12.2508

■ 28.1840, -12.4157,
15.6246

■ 62.1860, 11.2473,
-14.1951

Harmonies

Analogous

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



45.1850, -0.5842, 0.7148



45.1850, -0.5842, 0.7148



44.8860, -0.4368, 0.1000

Triad

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



45.1850, -0.5842, 0.7148



45.2880, -0.1420, -1.1296



45.4130, 0.2894, 0.5148

Complementary

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



45.1850, -0.5842, 0.7148



44.8150, 0.5842, -0.7148

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.



45.1140, 0.4368, -0.1000



45.1850, -0.5842, 0.7148



44.8150, 0.5842, -0.7148

Square

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



45.1850, -0.5842, 0.7148



44.7010, 0.1474, -0.6148



44.8150, 0.5842, -0.7148



45.2990, -0.1474, 0.6148

Rectangle

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



45.1850, -0.5842, 0.7148



44.8860, -0.4368, 0.1000



44.8150, 0.5842, -0.7148



45.1140, 0.4368, -0.1000

Sweetspot

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



45.1850, -0.5842, 0.7148



58.2990, -0.1474, 0.6148



44.7120, 0.1420, 1.1296



30.2990, -0.1474, 0.6148



158.0000, 0.0000, 0.0000



31.0000, 0.0000, 0.0000

Same Dimension

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



45.1850, -0.5842, 0.7148



57.4840, -0.7316, 1.3295



45.7720, -0.8736, 0.2000



22.2990, -0.1474, 0.6148



51.2540, -25.2682, 31.3492



126.7950, -62.5099, 76.4788

Inverse Universe

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



44.8150, 0.5842, -0.7148



56.9290, 1.0210, -0.8147



44.2280, 0.8736, -0.2000



22.1140, 0.4368, -0.1000



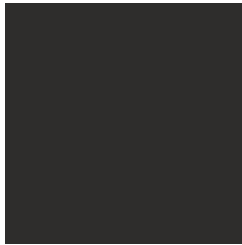
35.1590, 25.5576, -30.8344



87.2050, 62.5099, -76.4788

Previews

White Background



This preview shows how the YUV color 45.1850, -0.5842, 0.7148 looks on a white background.

Color Contrast Check

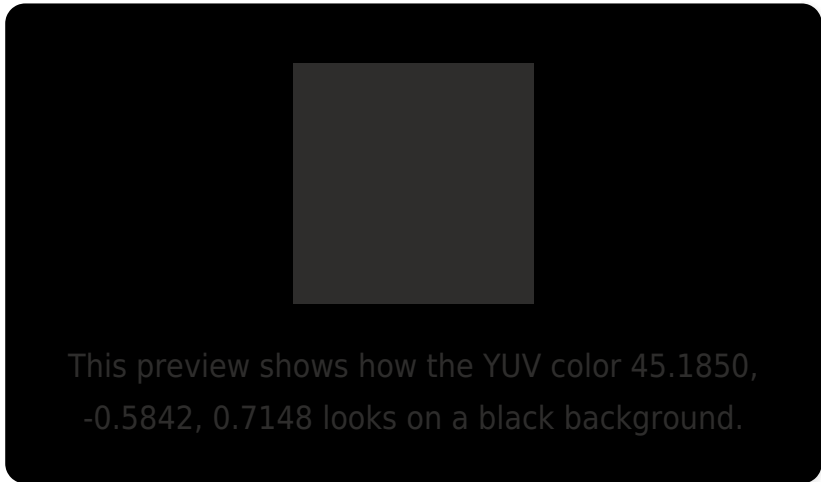
Large Text (above 18pt) WCAG AA ✓ Pass

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

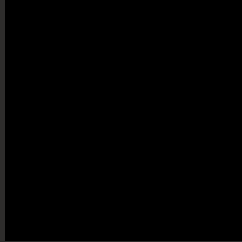
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 45.1850, -0.5842, 0.7148

Background



This preview shows how black text looks on a background with the YUV color 45.1850, -0.5842, 0.7148.



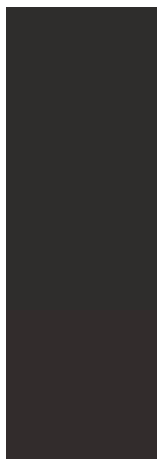
This preview shows how white text looks on a background with the YUV color 45.1850, -0.5842,

0.7148.

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

45.1850, -0.5842, 0.7148

Protanopia

45.1850, -0.5842, 0.7148

Deuteranopia

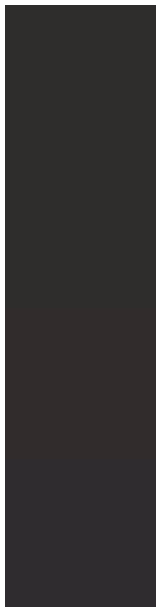
45.7940, -0.8844, 3.6887



Tritanopia

45.3530, 1.3050, 1.4444

Trichromacy



Original Color

45.1850, -0.5842, 0.7148

Protanomaly

45.1850, -0.5842, 0.7148

Deuteranomaly

45.4950, -0.7370, 3.0739

Tritanomaly

45.2390, 0.8682, 1.5444

Monochromacy



Original Color

45.1850, -0.5842, 0.7148

Achromatopsia

45.0000, 0.0000, 0.0000

Achromatomaly

45.0000, 0.0000, 0.0000

CSS Examples

Text

The CSS property to change the color of the text to YUV 45.1850, -0.5842, 0.7148 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(46, 45, 44)` looks like.

```
.text, #text, p{  
    color:rgb(46, 45, 44)  
}
```

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(46, 45, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 45, 44) }
```

Border

The CSS property to change the border of an element to YUV 45.1850, -0.5842, 0.7148 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(46, 45, 44) }
```


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

```
.border{ border-color:rgb(46, 45, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 45, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 45, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 45, 44);  
box-shadow:4px 4px 4px 4px rgb(46, 45, 44)  
}
```

Background

The CSS property to change the background color of an element to YUV 45.1850, -0.5842, 0.7148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 45, 44) }
```

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

```
.background{ background-color: rgb(46, 45,  
44) }
```

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