

Converting Colors

YUV(33.0850, -12.3669, -0.0745)

Have a look what the booklet for
YUV(33.0850, -12.3669, -0.0745)
contains.

| | |
|--|----|
| YUV(33.0850, -12.3669, -0.0745) | 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(33.0850, -12.3669,
-0.0745)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 212608 |
| RGB | 33, 38, 8 |
| RGB Percent | 13%, 15%, 3% |
| CMY | 0.8706, 0.8510, 0.9686 |
| CMYK | 0.13, 0.00, 0.79, 0.85 |
| HSL | 70°, 65%, 9% |
| HSV | 70°, 79%, 15% |
| XYZ | 1.3641, 1.7271, 0.4912 |
| YIQ | 33.0850, 6.6500, -10.3900 |

Conversions

Conversions Part 2

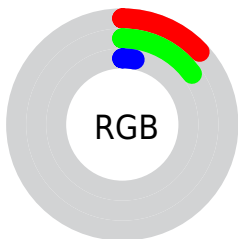
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 8, 38, 13 |
| Decimal | 2172424 |
| CIE Lab | 13.98, -7.73, 17.09 |
| CIE LCh | 14, 18.754, 114.354 |
| Yxy | 1.7271, 0.3808, 0.4821 |
| Android (android.graphics.Color) | 4280362504 (0xFF212608) |
| YUV | 33.0850, -12.3669, -0.0745 |
| Hunter-Lab | 13.1419, -4.4698, 6.9833 |

Details

The YUV color **33.0850, -12.3669, -0.0745** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **12.9150, 12.3669, 0.0745**, and the grayscale version is **33.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **77.9710, -12.8037, 0.0254**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **32.3300, -13.9667, -0.2894**, and if you desaturate by 10%, it is **33.8400, -10.7671, 0.1403**.

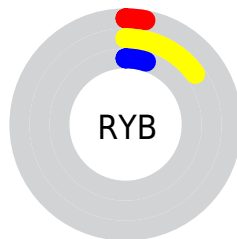
Distribution



Red (13%)

Green (15%)

Blue (3%)



Red (3%)

Yellow (15%)

Blue (5%)

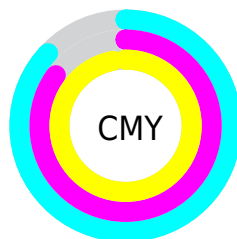


Cyan (13%)

Magenta (0%)

Yellow (79%)

Black (85%)



Cyan (87%)


Magenta (85%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the YUV color 33.0850, -12.3669, -0.0745 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 33.0850, -12.3669, -0.0745 by changing the saturation by 10% instead.

 33.0850, -12.3669,
-0.0745


 33.0850, -12.3669,
-0.0745


 252.4920, -9.6096,
2.1995


 11.1640, -5.5039,
-8.0368


 77.9710, -12.8037,
0.0254

 0.0000, 0.0000,
0.0000

 101.8570,
-13.2405, 0.1254

 126.7430,
-13.6773, 0.2254

 152.6290,
-14.1141, 0.3254

 179.5150,
-14.5509, 0.4253

 207.4010,

-14.9877, 0.5253

■ 235.4010,
-14.9877, 0.5253

■ 33.0850, -12.3669,
-0.0745

■ 33.0850, -12.3669,
-0.0745

■ 32.3300, -13.9667,
-0.2894

■ 33.8400, -10.7671,
0.1403

■ 31.8740, -15.7139,
0.1105

■ 34.2960, -9.0199,
-0.2596

■ 34.9370, -7.8569,
0.0553

■ 35.6920, -6.2572,
0.2701

■ 36.1480, -4.5100,
-0.1298

■ 36.9030, -2.9102,
0.0851

■ 37.3590, -1.1630,
-0.3148

■ 38.0000, 0.0000,
0.0000

■ 38.7550, 1.5998,
0.2149

Harmonies

Analogous

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



34.2820, -14.4360, 10.2767



33.0850, -12.3669, -0.0745



31.1310, -5.4876, -13.2699

Triad

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



33.0850, -12.3669, -0.0745



30.5650, 13.0325, -26.8055



36.4630, 1.2507, 18.8879

Complementary

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



33.0850, -12.3669, -0.0745



12.9150, 12.3669, 0.0745

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.



36.9010, 6.9508, 10.6108



33.0850, -12.3669, -0.0745



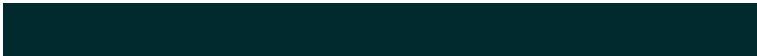
30.2710, 15.6424, -23.9167

Square

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



33.0850, -12.3669, -0.0745



29.8980, 7.9383, -26.2205



35.6650, 11.5042, -3.2142



35.5790, -4.7224, 21.4172

Rectangle

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



33.0850, -12.3669, -0.0745



28.1450, -0.0715, -23.8062



35.6650, 11.5042, -3.2142



36.3210, 3.2927, 17.2585

Sweetspot

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



33.0850, -12.3669, -0.0745



46.4470, -4.6574, 0.4850



19.9050, -5.8692, 15.8693



24.4900, -3.1996, -0.4297



153.0000, 0.0000, 0.0000



26.0000, 0.0000, 0.0000

Same Dimension

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



33.0850, -12.3669, -0.0745



40.6630, -19.0609, 0.2955



28.6000, -10.1558, -9.2962



17.7720, -0.8736, 0.2000



68.4660, -33.7537, -0.4087



174.7090, -86.1315, -0.6218

Inverse Universe

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



12.9150, 12.3669, 0.0745



9.6360, 18.9135, 0.3192



17.4000, 10.1558, 9.2962



16.2280, 0.8736, -0.2000



13.5340, 33.7537, 0.4087



34.2910, 86.1315, 0.6218

Previews

White Background



This preview shows how the YUV color 33.0850, -12.3669, -0.0745 looks on a white background.

Color Contrast Check

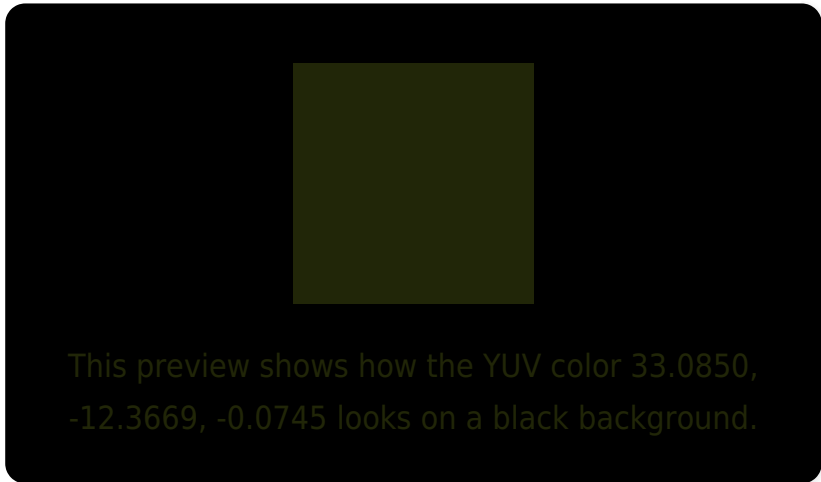
Large Text (above 18pt) WCAG AA ✓ Pass

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

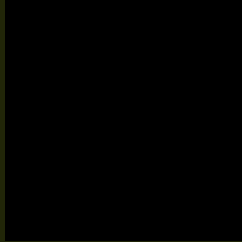
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 33.0850, -12.3669, -0.0745

Background



This preview shows how black text looks on a background with the YUV color 33.0850, -12.3669, -0.0745.



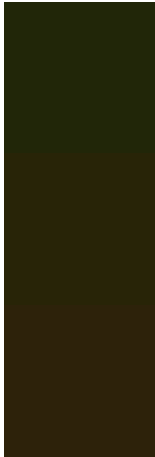
This preview shows how white text looks on a background with the YUV color 33.0850, -12.3669,

-0.0745.

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

33.0850, -12.3669, -0.0745

Protanopia

33.8900, -13.2568, 5.3585

Deuteranopia

34.5530, -12.1046, 9.1620



Tritanopia

35.6410, 1.1630, 0.3148

Trichromacy



Original Color

33.0850, -12.3669, -0.0745

Protanomaly

33.5800, -13.1039, 2.9993

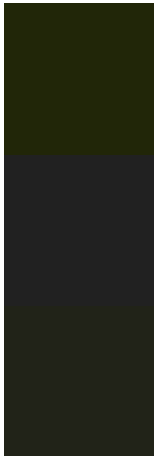
Deuteranomaly

33.8300, -12.2412, 6.2881

Tritanomaly

34.6750, -3.7838, 0.2850

Monochromacy



Original Color

33.0850, -12.3669, -0.0745

Achromatopsia

33.0000, 0.0000, 0.0000

Achromatomaly

33.1480, -4.5100, -0.1298

CSS Examples

Text

The CSS property to change the color of the text to YUV 33.0850, -12.3669, -0.0745 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(33, 38, 8)` looks like.

```
.text, #text, p{  
    color:rgb(33, 38, 8)  
}
```

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(33, 38, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 38, 8) }
```

Border

The CSS property to change the border of an element to YUV 33.0850, -12.3669, -0.0745 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(33, 38, 8) }
```


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

```
.border{ border-color:rgb(33, 38, 8) }
```

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

Here you see how a box with a 4 pixel rgb(33, 38, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 38, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(33, 38, 8); box-shadow:4px  
4px 4px 4px rgb(33, 38, 8) }
```

Background

The CSS property to change the background color of an element to YUV 33.0850, -12.3669, -0.0745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 38, 8) }
```

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

```
.background{ background-color: rgb(33, 38,  
8) }
```

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