

# Converting Colors

YUV(30.5850, 2.6696, -16.2990)

Have a look what the booklet for  
YUV(30.5850, 2.6696, -16.2990)  
contains.

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# Color

**YUV(30.5850, 2.6696,  
-16.2990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0C2724
RGB	12, 39, 36
RGB Percent	5%, 15%, 14%
CMY	0.9529, 0.8471, 0.8588
CMYK	0.69, 0.00, 0.08, 0.85
HSL	173°, 53%, 10%
HSV	173°, 69%, 15%
XYZ	1.1956, 1.6566, 1.9258
YIQ	30.5850, -15.1290, -6.6570

# Conversions

## Conversions Part 2

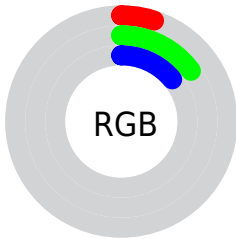
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	12, 26, 39
Decimal	796452
CIE <sub>Lab</sub>	13.57, -11.18, -1.13
CIE <sub>LCh</sub>	14, 11.233, 185.748
Yxy	1.6566, 0.2502, 0.3467
Android (android.graphics.Color)	4278986532 (0xFF0C2724)
YUV	30.5850, 2.6696, -16.2990
Hunter-Lab	12.8708, -5.9429, 0.1383

# Details

The YUV color **30.5850, 2.6696, -16.2990** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **20.4150, -2.6696, 16.2990**, and the grayscale version is **31.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **75.4710, 2.2328, -16.1991**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **29.3890, 3.2592, -18.7582**, and if you desaturate by 10%, it is **31.7810, 2.0800, -13.8399**.

# Distribution



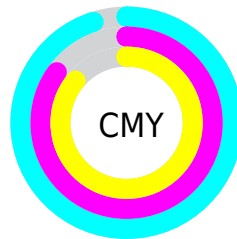
- Red (5%)
- Green (15%)
- Blue (14%)



- Red (5%)
- Yellow (10%)
- Blue (15%)



- Cyan (69%)
- Magenta (0%)
- Yellow (8%)
- Black (85%)



- Cyan (95%)
- Magenta (85%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 30.5850, 2.6696, -16.2990 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 30.5850, 2.6696, -16.2990 by changing the saturation by 10% instead.



■ 30.5850, 2.6696,  
-16.2990

■ 30.5850, 2.6696,  
-16.2990

■ 250.5150, 2.2111,  
-9.2217

■ 12.8630, 1.0535,  
-11.2809

■ 75.4710, 2.2328,  
-16.1991

■ 0.0000, 0.0000,  
0.0000

■ 99.1720, 2.3802,  
-16.8138

■ 124.8730, 2.5276,  
-17.4286

■ 150.5740, 2.6750,  
-18.0434

■ 177.4600, 2.2382,  
-17.9434

■ 205.1610, 2.3856,

-18.5582

■ 232.8620, 2.5330,  
-19.1730

■ 30.5850, 2.6696,  
-16.2990

■ 30.5850, 2.6696,  
-16.2990

■ 29.3890, 3.2592,  
-18.7582

■ 31.7810, 2.0800,  
-13.8399

■ 28.0790, 3.4121,  
-21.1173

■ 33.0910, 1.9271,  
-11.4808

■ 26.8830, 4.0017,  
-23.5764

■ 34.2870, 1.3375,  
-9.0217

■ 35.5970, 1.1847,  
-6.6626

■ 36.7930, 0.5951,  
-4.2035

■ 37.8040, 0.5896,  
-2.4591

■ 39.0000, 0.0000,  
0.0000

■ 40.1960, -0.5896,  
2.4591

■ 41.5060, -0.7425,  
4.8182

# Harmonies

## Analogous

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



31.7770, -1.8621, -9.4514



30.5850, 2.6696, -16.2990



30.3010, 6.7536, -19.5580

# Triad

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



30.5850, 2.6696, -16.2990



35.5040, 5.6675, 2.1890



34.6330, -6.7211, 9.0919

# Complementary

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



30.5850, 2.6696, -16.2990



20.4150, -2.6696, 16.2990

# 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.



35.5240, -4.6953, 12.6955



30.5850, 2.6696, -16.2990



36.0380, 2.4463, 8.7367

# Square

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



30.5850, 2.6696, -16.2990



34.0190, 7.8786, -7.0327



35.7350, -1.3484, 12.5104



34.3720, -7.5784, 4.0588

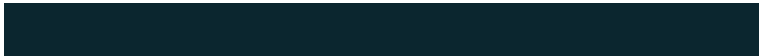


# Rectangle

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



30.5850, 2.6696, -16.2990



30.9530, 7.9112, -17.4988



35.7350, -1.3484, 12.5104



34.7580, -6.2897, 10.7362

# Sweetspot

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



30.5850, 2.6696, -16.2990



47.5970, 1.1847, -6.6626



28.7460, -8.2558, -12.0552



23.7930, 0.5951, -4.2035



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.



30.5850, 2.6696, -16.2990



37.8720, 4.0071, -25.3207



25.0570, 6.8739, -11.4510



19.4020, 0.2948, -1.2296



57.8580, 8.4510, -50.7415



145.8760, 20.7671, -127.9333



# Inverse Universe

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



20.4150, -2.6696, 16.2990



22.0140, -4.4439, 25.4207



25.9430, -6.8739, 11.4510



18.7120, 0.1420, 1.1296



26.1420, -8.4510, 50.7415

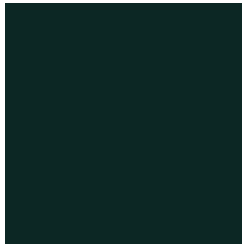


66.1240, -20.7671, 127.9333



# Previews

## White Background



This preview shows how the YUV color 30.5850, 2.6696, -16.2990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

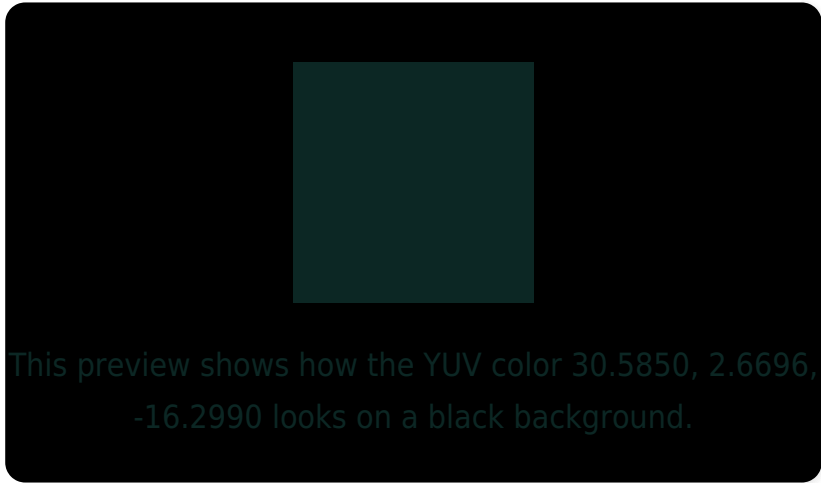
Any Text WCAG AA ✓ Pass

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

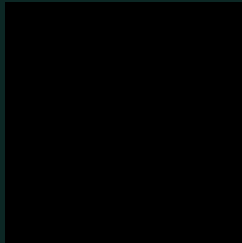
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 30.5850, 2.6696, -16.2990**

## **Background**



This preview shows how black text looks on a background with the YUV color 30.5850, 2.6696, -16.2990.



This preview shows how white text looks on a background with the YUV color 30.5850, 2.6696, -16.2990.

-16.2990.

# 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

30.5850, 2.6696, -16.2990

### Protanopia

35.1850, -0.5842, 0.7148

### Deuteranopia

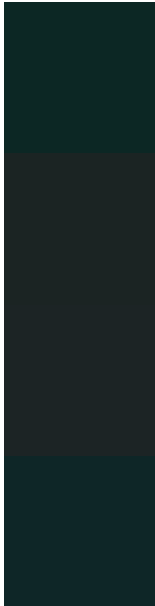
35.2390, 0.8682, 1.5444



## Tritanopia

31.4650, 4.7008, -14.4398

# Trichromacy



## Original Color

30.5850, 2.6696, -16.2990

## Protanomaly

33.1950, 0.8899, -5.4330

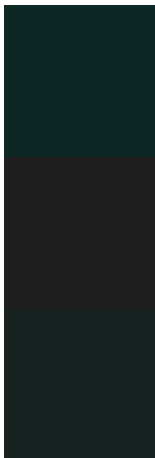
## Deuteranomaly

33.7220, 1.6161, -5.0182

## Tritanomaly

30.9380, 3.9746, -14.8546

# Monochromacy



## Original Color

30.5850, 2.6696, -16.2990

## Achromatopsia

31.0000, 0.0000, 0.0000

## Achromatomaly

30.8960, 1.0373, -6.0478

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 30.5850, 2.6696, -16.2990 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(12, 39, 36)` looks like.

```
.text, #text, p{  
  color:rgb(12, 39, 36)  
}
```

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(12, 39, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 39, 36) }
```

## Border

The CSS property to change the border of an element to YUV 30.5850, 2.6696, -16.2990 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(12, 39, 36) }
```



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

```
.border{ border-color:rgb(12, 39, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 39, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 39, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 39, 36);  
box-shadow:4px 4px 4px 4px rgb(12, 39, 36)  
}
```

# Background

The CSS property to change the background color of an element to YUV 30.5850, 2.6696, -16.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 39, 36) }
```

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

```
.background{ background-color: rgb(12, 39,  
36) }
```

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](#).

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