

# Converting Colors

YUV(30.8850, 34.5667,  
-27.0861)

Have a look what the booklet for  
YUV(30.8850, 34.5667, -27.0861)  
contains.

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# Color

**YUV(30.8850, 34.5667,  
-27.0861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	002165
RGB	0, 33, 101
RGB Percent	0%, 13%, 40%
CMY	1.0000, 0.8706, 0.6039
CMYK	1.00, 0.67, 0.00, 0.60
HSL	220°, 100%, 20%
HSV	220°, 100%, 40%
XYZ	2.8928, 2.0273, 12.5508
YIQ	30.8850, -41.4960, 14.1520

# Conversions

## Conversions Part 2

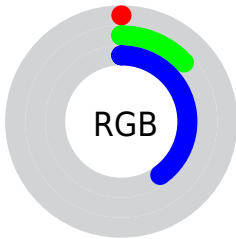
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 25, 101
Decimal	8549
CIELab	15.63, 19.77, -42.80
CIElCh	16, 47.148, 294.798
Yxy	2.0273, 0.1656, 0.1160
Android (android.graphics.Color)	4278198629 (0xFF002165)
YUV	30.8850, 34.5667, -27.0861
Hunter-Lab	14.2383, 11.3490, -42.2960

# Details

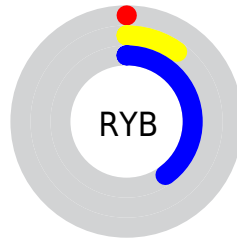
The YUV color **30.8850, 34.5667, -27.0861** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **70.1150, -34.5667, 27.0861**, and the grayscale version is **31.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **83.2720, 34.3759, -12.5165**, and **8.3900, 21.9927, -7.3580** is the 20% darker color. If you saturate the color by 10%, you get **30.8850, 34.5667, -27.0861**, and if you desaturate by 10%, it is **37.9840, 31.0669, -24.5420**.

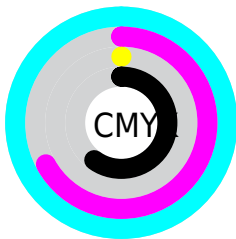
# Distribution



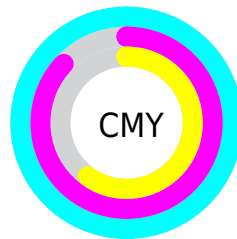
- Red (0%)
- Green (13%)
- Blue (40%)



- Red (0%)
- Yellow (10%)
- Blue (40%)



- Cyan (100%)
- Magenta (67%)
- Yellow (0%)
- Black (60%)



- Cyan (100%)
- Magenta (87%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 30.8850, 34.5667, -27.0861 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 30.8850, 34.5667, -27.0861 by changing the saturation by 10% instead.



■ 30.8850, 34.5667,  
-27.0861

■ 30.8850, 34.5667,  
-27.0861

■ 255.0000, 0.0000,  
0.0000

■ 16.4090, 29.8714,  
-14.3907

■ 83.2720, 34.3759,  
-12.5165

■ 8.3900, 21.9927,  
-7.3580

■ 107.9240, 35.5335,  
-10.4573

■ 4.7080, 12.9620,  
-4.1289

■ 133.8640, 36.5490,  
-9.5277

■ 0.2280, 0.8736,  
-0.2000

■ 160.6900, 37.1278,  
-8.4981

■ 0.0000, 0.0000,  
0.0000

■ 187.0770, 33.4860,  
-7.0835

■ 211.5970, 21.3977,

-3.1546

■ 237.2910, 8.7305,  
-0.2552

■ 30.8850, 34.5667,  
-27.0861

■ 37.9840, 31.0669,  
-24.5420

■ 45.0830, 27.5671,  
-21.9978

■ 51.5950, 24.3567,  
-18.9388

■ 58.6940, 20.8569,  
-16.3946

■ 66.0920, 17.2096,  
-13.2357

■ 73.1910, 13.7098,  
-10.6915

■ 80.2900, 10.2100,  
-8.1473

■ 86.8020, 6.9996,  
-5.0884

■ 93.9010, 3.4998,  
-2.5442

# Harmonies

## Analogous

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



39.2000, 33.4254, -34.3784



30.8850, 34.5667, -27.0861



33.6430, 21.8680, 32.7621

# Triad

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



30.8850, 34.5667, -27.0861



33.3010, -16.4174, 39.2010



34.1720, -1.0708, -29.9688

# Complementary

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



30.8850, 34.5667, -27.0861



70.1150, -34.5667, 27.0861

# 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.



28.7630, -14.1802, -25.2252



30.8850, 34.5667, -27.0861



37.2780, -18.3781, 14.6652

# Square

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



30.8850, 34.5667, -27.0861



28.8760, -8.3199, 55.3597



32.9930, -16.2655, -9.6409



38.0480, 13.7803, -33.3681



# Rectangle

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



30.8850, 34.5667, -27.0861



32.8100, 11.9257, 48.4016



32.9930, -16.2655, -9.6409



32.2170, -6.0230, -28.2543

# Sweetspot

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



30.8850, 34.5667, -27.0861



103.0770, 13.2730, -10.5915



66.9250, 0.0370, -58.6932



49.4320, 8.1680, -6.5179



194.0000, 0.0000, 0.0000



66.0000, 0.0000, 0.0000



# Same Dimension

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



30.8850, 34.5667, -27.0861



39.4740, 44.6293, -34.6187



16.5970, 41.6107, 0.3534



47.7440, 1.6052, -1.5295



34.8290, 39.5243, -30.5450



73.9610, 82.8432, -64.8638



# Inverse Universe

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



33.9610, -0.4738, 58.7932



43.6580, -0.8174, 75.7219



84.4030, -41.6107, -0.3534



47.7230, 0.1366, 2.8739



38.6030, -0.7903, 67.0002



81.3640, -1.1655, 140.8778



# Previews

## White Background



This preview shows how the YUV color 30.8850, 34.5667, -27.0861 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



This preview shows how the YUV color 30.8850, 34.5667, -27.0861 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

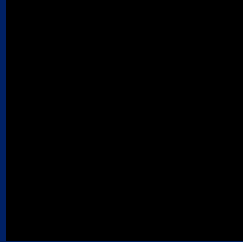
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 30.8850, 34.5667, -27.0861

## Background



This preview shows how black text looks on a background with the YUV color 30.8850, 34.5667, -27.0861.



This preview shows how white text looks on a background with the YUV color 30.8850, 34.5667,



# 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

30.8850, 34.5667, -27.0861

### Protanopia

32.2410, 24.5312, -28.2754

### Deuteranopia

32.0470, 18.7108, -28.1052



## Tritanopia

31.7730, 7.5069, -27.8649

# Trichromacy



## Original Color

30.8850, 34.5667, -27.0861

## Protanomaly

31.8650, 28.1676, -27.9456

## Deuteranomaly

31.5400, 24.3838, -27.6606

## Tritanomaly

31.7050, 17.4004, -27.8053

# Monochromacy



## Original Color

30.8850, 34.5667, -27.0861

## Achromatopsia

31.0000, 0.0000, 0.0000

## Achromatomaly

31.1480, 12.2520, -9.7768

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 30.8850, 34.5667, -27.0861 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(0, 33, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 33, 101)  
}
```

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(0, 33, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 33, 101) }
```

## Border

The CSS property to change the border of an element to YUV 30.8850, 34.5667, -27.0861 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(0, 33, 101) }
```



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

```
.border{ border-color:rgb(0, 33, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 33, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 33, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 33, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 33, 101)  
}
```

# Background

The CSS property to change the background color of an element to YUV 30.8850, 34.5667, -27.0861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 33, 101) }
```

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

```
.background{ background-color: rgb(0, 33,  
101) }
```

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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