

# Converting Colors

YUV(40.5050, 30.8100,  
-35.5229)

Have a look what the booklet for  
YUV(40.5050, 30.8100, -35.5229)  
contains.

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# Color

**YUV(40.5050, 30.8100,  
-35.5229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	003167
RGB	0, 49, 103
RGB Percent	0%, 19%, 40%
CMY	1.0000, 0.8078, 0.5961
CMYK	1.00, 0.52, 0.00, 0.60
HSL	211°, 100%, 20%
HSV	211°, 100%, 40%
XYZ	3.5465, 3.1759, 13.2581
YIQ	40.5050, -46.5380, 6.4060

# Conversions

## Conversions Part 2

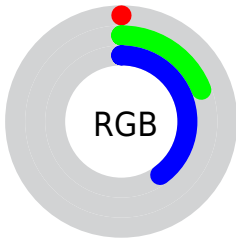
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	0, 33, 103
Decimal	12647
CIE <sub>Lab</sub>	20.74, 8.74, -35.79
CIE <sub>LCh</sub>	21, 36.845, 283.721
Yxy	3.1759, 0.1775, 0.1590
Android (android.graphics.Color)	4278202727 (0xFF003167)
YUV	40.5050, 30.8100, -35.5229
Hunter-Lab	17.8210, 4.3357, -31.6343

# Details

The YUV color **40.5050, 30.8100, -35.5229** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **62.4950, -30.8100, 35.5229**, and the grayscale version is **40.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.0660, 30.0405, -21.9829**, and **6.8570, 23.7345, -6.0136** is the 20% darker color. If you saturate the color by 10%, you get **40.5050, 30.8100, -35.5229**, and if you desaturate by 10%, it is **46.4300, 27.8890, -31.9491**.

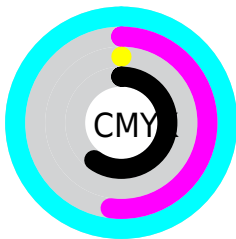
# Distribution



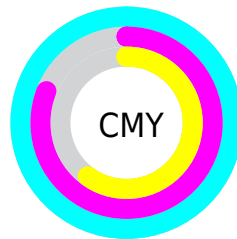
- Red (0%)
- Green (19%)
- Blue (40%)



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



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (60%)



- Cyan (100%)
- Magenta (81%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 40.5050, 30.8100, -35.5229 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 40.5050, 30.8100, -35.5229 by changing the saturation by 10% instead.



■ 40.5050, 30.8100,  
-35.5229

■ 40.5050, 30.8100,  
-35.5229

■ 255.0000, 0.0000,  
0.0000

■ 26.0290, 26.1147,  
-22.8274

■ 94.0660, 30.0405,  
-21.9829

■ 6.8570, 23.7345,  
-6.0136

■ 119.3050, 30.9086,  
-20.4385

■ 4.9360, 13.8356,  
-4.3289

■ 145.7180, 31.1980,  
-19.9237

■ 0.6840, 2.6208,  
-0.5999

■ 172.3590, 32.3610,  
-19.6088

■ 0.0000, 0.0000,  
0.0000

■ 198.5180, 27.8456,  
-17.9943

■ 223.3260, 15.6153,

-15.1949

■ 249.0200, 2.9481,  
-12.2955

■ 40.5050, 30.8100,  
-35.5229

■ 46.4300, 27.8890,  
-31.9491

■ 53.2410, 24.5312,  
-28.2754

■ 59.1660, 21.6102,  
-24.7016

■ 65.6780, 18.3997,  
-21.6426

■ 71.9020, 15.3313,  
-17.4541

■ 77.8270, 12.4103,  
-13.8803

■ 84.3390, 9.1999,  
-10.8213

■ 90.2640, 6.2788,  
-7.2475

■ 97.0750, 2.9210,  
-3.5738

# Harmonies

## Analogous

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



45.0870, 28.0581, -39.5413



40.5050, 30.8100, -35.5229



51.0120, 18.7281, 13.1445

# Triad

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



40.5050, 30.8100, -35.5229



46.1870, -16.8542, 39.3010



39.6830, -2.8017, -34.8020

# Complementary

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



40.5050, 30.8100, -35.5229



62.4950, -30.8100, 35.5229

# 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.



39.5850, -17.5434, -19.8070



40.5050, 30.8100, -35.5229



47.3670, -23.3519, 23.3571

# Square

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



40.5050, 30.8100, -35.5229



44.6020, -2.7618, 45.9530



45.7730, -22.5661, 4.5841



43.4620, 9.1392, -38.1162



# Rectangle

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



40.5050, 30.8100, -35.5229



49.4010, 12.1273, 30.3433



45.7730, -22.5661, 4.5841



37.9560, -6.8803, -33.2874

# Sweetspot

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



40.5050, 30.8100, -35.5229



110.7130, 11.9735, -13.7803



66.5030, -6.6570, -58.3231



53.8940, 7.4473, -8.6770



196.0000, 0.0000, 0.0000



69.0000, 0.0000, 0.0000



# Same Dimension

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



40.5050, 30.8100, -35.5229



52.9580, 40.4467, -46.4442



12.3400, 44.6954, -9.0682



47.7440, 1.6052, -1.5295



45.3950, 34.3153, -39.8114



95.0930, 72.4252, -83.3966



# Inverse Universe

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



36.3830, 6.2202, 58.4231



47.6610, 8.0551, 76.5963



90.6600, -44.6954, 9.0682



47.7230, 0.1366, 2.8739



40.6550, 7.0721, 65.2006



85.4680, 14.5593, 137.2786



# Previews

## White Background



This preview shows how the YUV color 40.5050, 30.8100, -35.5229 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 40.5050, 30.8100, -35.5229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

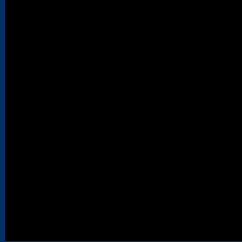
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 40.5050, 30.8100, -35.5229

## Background



This preview shows how black text looks on a background with the YUV color 40.5050, 30.8100, -35.5229.



This preview shows how white text looks on a background with the YUV color 40.5050, 30.8100,



# 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



### Protanopia

43.4950, 29.3360, -29.3751

### Deuteranopia

40.7840, 24.2635, -35.7676

### Tritanopia

39.7120, 10.0020, -34.8274

# Trichromacy



## Protanomaly

42.2990, 29.9256, -31.8342

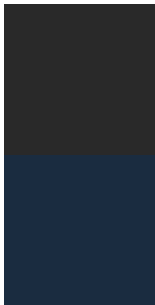
## Deuteranomaly

40.7670, 26.7369, -35.7527

## Tritanomaly

39.7750, 17.8589, -34.8827

# Monochromacy



## Achromatopsia

41.0000, 0.0000, 0.0000

## Achromatomaly

40.8980, 11.3893, -13.0655

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 40.5050, 30.8100, -35.5229 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, 49, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 49, 103)  
}
```

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, 49, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 49, 103) }
```

## Border

The CSS property to change the border of an element to YUV 40.5050, 30.8100, -35.5229 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, 49, 103) }
```

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

```
.border{ border-color:rgb(0, 49, 103) }
```

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

Here you see how a box with a 4 pixel rgb(0, 49, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 49, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 49, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 49, 103)  
}
```



# Background

The CSS property to change the background color of an element to YUV 40.5050, 30.8100, -35.5229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 49, 103) }
```

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

```
.background{ background-color: rgb(0, 49,  
103) }
```

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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