

Converting Colors

YUV(68.4400, 16.0521,
-15.2949)

Have a look what the booklet for
YUV(68.4400, 16.0521, -15.2949)
contains.

YUV(68.4400, 16.0521, -15.2949)	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(68.4400, 16.0521,
-15.2949)**

Conversions

Conversions Part 1

Format	Color
Hex	334765
RGB	51, 71, 101
RGB Percent	20%, 28%, 40%
CMY	0.8000, 0.7216, 0.6039
CMYK	0.50, 0.30, 0.00, 0.60
HSL	216°, 33%, 30%
HSV	216°, 50%, 40%
XYZ	5.9674, 6.1499, 13.1844
YIQ	68.4400, -21.5500, 5.0900

Conversions

Conversions Part 2

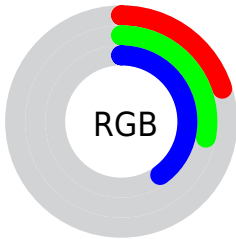
Format	Color
R_{YB}	51, 65, 101
Decimal	3360613
CIE _{Lab}	29.79, 1.37, -20.00
CIE _{LCh}	30, 20.048, 273.906
Yxy	6.1499, 0.2359, 0.2431
Android (android.graphics.Color)	4281550693 (0xFF334765)
YUV	68.4400, 16.0521, -15.2949
Hunter-Lab	24.7989, -0.4451, -14.1625

Details

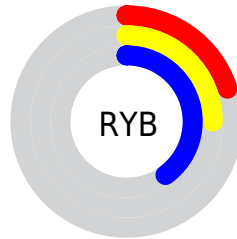
The YUV color **68.4400, 16.0521, -15.2949** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **83.5600, -16.0521, 15.2949**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **117.0810, 17.2151, -14.9800**, and **22.5920, 15.4841, -19.8132** is the 20% darker color. If you saturate the color by 10%, you get **61.9280, 19.2625, -18.3539**, and if you desaturate by 10%, it is **74.9520, 12.8417, -12.2359**.

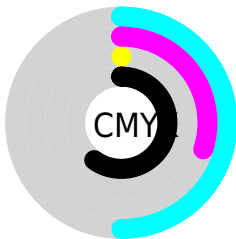
Distribution



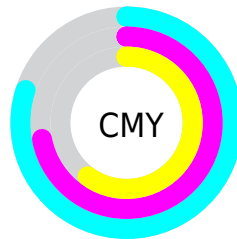
- Red (20%)
- Green (28%)
- Blue (40%)



- Red (20%)
- Yellow (25%)
- Blue (40%)



- Cyan (50%)
- Magenta (30%)
- Yellow (0%)
- Black (60%)



- Cyan (80%)
- Magenta (72%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the YUV color 68.4400, 16.0521, -15.2949 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 68.4400, 16.0521, -15.2949 by changing the saturation by 10% instead.

■ 68.4400, 16.0521,
-15.2949

■ 68.4400, 16.0521,
-15.2949

■ 255.0000, 0.0000,
0.0000

■ 45.6140, 15.4733,
-16.3245

■ 117.0810, 17.2151,
-14.9800

■ 22.5920, 15.4841,
-19.8132

■ 143.1950, 17.6519,
-15.0800

■ 4.9360, 13.8356,
-4.3289

■ 169.6080, 17.9413,
-14.5652

■ 0.6840, 2.6208,
-0.5999

■ 197.4230, 18.5255,
-15.2800

■ 0.0000, 0.0000,
0.0000

■ 224.5110, 15.0311,
-14.4801

■ 249.3190, 2.8007,

-11.6808

■ 68.4400, 16.0521,
-15.2949

■ 68.4400, 16.0521,
-15.2949

■ 61.9280, 19.2625,
-18.3539

■ 74.9520, 12.8417,
-12.2359

■ 55.4160, 22.4729,
-21.4128

■ 81.4640, 9.6312,
-9.1769

■ 48.9040, 25.6833,
-24.4718

■ 87.9760, 6.4208,
-6.1180

■ 42.3920, 28.8937,
-27.5308

■ 94.4880, 3.2104,
-3.0590

■ 35.8800, 32.1042,
-30.5898

■ 101.2990, -0.1474,
0.6148

■ 34.9940, 32.5410,
-30.6897

■ 107.8110, -3.3578,
3.6738

■ 114.3230, -6.5682,
6.7327

■ 120.8350, -9.7787,
9.7917

■ 127.9340,
-13.2785, 12.3359

Harmonies

Analogous

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



62.0740, 17.7115, -34.2679



68.4400, 16.0521, -15.2949



71.5240, 12.0667, 3.0485

Triad

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



68.4400, 16.0521, -15.2949



70.9770, -8.3697, 24.5762



64.4400, -4.1609, -18.8029

Complementary

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



68.4400, 16.0521, -15.2949



83.5600, -16.0521, 15.2949

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.



66.9920, -11.3351, -4.3780



68.4400, 16.0521, -15.2949



70.5650, -13.5895, 18.7985

Square

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



68.4400, 16.0521, -15.2949



71.8120, -1.3863, 24.7209



68.8580, -14.7200, 8.0175



61.1590, 5.3446, -34.3424

Rectangle

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



68.4400, 16.0521, -15.2949



72.5530, 8.1084, 12.6700



68.8580, -14.7200, 8.0175



65.9630, -7.3768, -13.9996

Sweetspot

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



68.4400, 16.0521, -15.2949



117.2750, 6.2734, -5.5032



83.7700, -1.3656, -28.7393



58.3030, 3.7946, -3.7737



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.



68.4400, 16.0521, -15.2949



79.9750, 24.6623, -23.6571



58.1950, 21.1029, -1.9250



47.7440, 1.6052, -1.5295



40.1120, 36.9198, -35.1782



84.5270, 77.6342, -74.1302

Inverse Universe

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



68.2300, 1.3656, 28.7393



79.5570, 2.1904, 44.2385



93.8050, -21.1029, 1.9250



47.7230, 0.1366, 2.8739



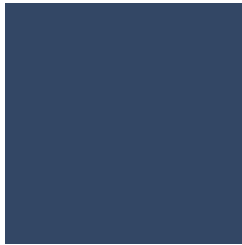
39.6290, 3.1409, 66.1004



83.4160, 6.6969, 139.0782

Previews

White Background



This preview shows how the YUV color 68.4400, 16.0521, -15.2949 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 68.4400, 16.0521, -15.2949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

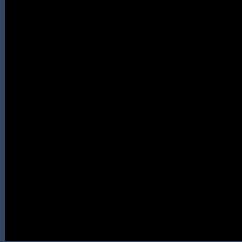
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

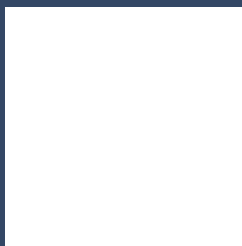
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YUV 68.4400, 16.0521, -15.2949

Background



This preview shows how black text looks on a background with the YUV color 68.4400, 16.0521, -15.2949.

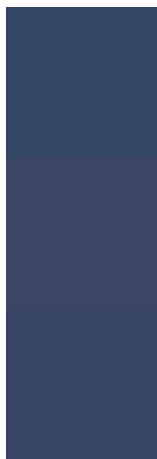


This preview shows how white text looks on a background with the YUV color 68.4400, 16.0521,

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

68.4400, 16.0521, -15.2949

Protanopia

69.7290, 14.4306, -8.5323

Deuteranopia

69.0600, 15.7464, -10.5766



Tritanopia

66.7140, 7.0430, -19.0432

Trichromacy



Original Color

68.4400, 16.0521, -15.2949

Protanomaly

69.5330, 15.0202, -10.9914

Deuteranomaly

69.0490, 15.7518, -12.3210

Tritanomaly

67.5230, 10.0952, -17.9987

Monochromacy



Original Color

68.4400, 16.0521, -15.2949

Achromatopsia

68.0000, 0.0000, 0.0000

Achromatomaly

68.1610, 5.8366, -5.4032

CSS Examples

Text

The CSS property to change the color of the text to YUV 68.4400, 16.0521, -15.2949 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(51, 71, 101)` looks like.

```
.text, #text, p{  
    color:rgb(51, 71, 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(51, 71, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 71, 101) }
```

Border

The CSS property to change the border of an element to YUV 68.4400, 16.0521, -15.2949 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(51, 71, 101) }
```


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

```
.border{ border-color:rgb(51, 71, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 71, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 71, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 71, 101);  
box-shadow:4px 4px 4px 4px rgb(51, 71,  
101) }
```

Background

The CSS property to change the background color of an element to YUV 68.4400, 16.0521, -15.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 71, 101) }
```

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

```
.background{ background-color: rgb(51, 71,  
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](#).

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