

Converting Colors

YUV(33.8400, 42.9699,
-15.6457)

Have a look what the booklet for
YUV(33.8400, 42.9699, -15.6457)
contains.

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Color

**YUV(33.8400, 42.9699,
-15.6457)**

Conversions

Conversions Part 1

Format	Color
Hex	101A79
RGB	16, 26, 121
RGB Percent	6%, 10%, 47%
CMY	0.9373, 0.8980, 0.5255
CMYK	0.87, 0.79, 0.00, 0.53
HSL	234°, 77%, 27%
HSV	234°, 87%, 47%
XYZ	4.0343, 2.2294, 18.3069
YIQ	33.8400, -36.4550, 27.4250

Conversions

Conversions Part 2

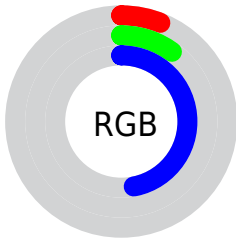
Format	Color
R _Y B	16, 25, 121
Decimal	1055353
CIE Lab	16.65, 33.69, -54.10
CIE LCh	17, 63.729, 301.913
Yxy	2.2294, 0.1642, 0.0907
Android (android.graphics.Color)	4279245433 (0xFF101A79)
YUV	33.8400, 42.9699, -15.6457
Hunter-Lab	14.9313, 22.0992, -62.2422

Details

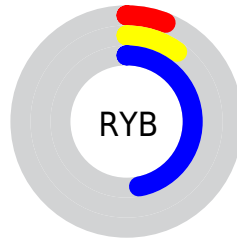
The YUV color **33.8400, 42.9699, -15.6457** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **103.1600, -42.9699, 15.6457**, and the grayscale version is **33.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **86.3300, 43.2213, -2.9204**, and **8.0940, 31.0127, -7.0984** is the 20% darker color. If you saturate the color by 10%, you get **23.7950, 47.9221, -17.3602**, and if you desaturate by 10%, it is **43.8850, 38.0177, -13.9311**.

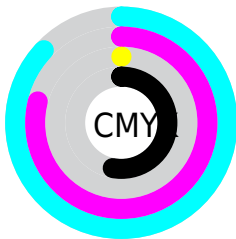
Distribution



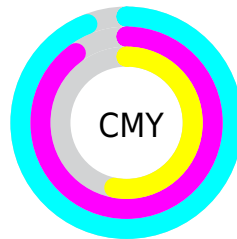
- Red (6%)
- Green (10%)
- Blue (47%)



- Red (6%)
- Yellow (10%)
- Blue (47%)



- Cyan (87%)
- Magenta (79%)
- Yellow (0%)
- Black (53%)



- Cyan (94%)
- Magenta (90%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the YUV color 33.8400, 42.9699, -15.6457 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 33.8400, 42.9699, -15.6457 by changing the saturation by 10% instead.

■ 33.8400, 42.9699,
-15.6457

■ 33.8400, 42.9699,
-15.6457

■ 255.0000, 0.0000,
0.0000

■ 14.4660, 40.1963,
-12.6867

■ 86.3300, 43.2213,
-2.9204

■ 8.0940, 31.0127,
-7.0984

■ 111.3950, 44.6683,
-0.3464

■ 7.8200, 19.8087,
-6.8581

■ 137.7480, 45.9732,
1.0980

■ 3.5510, 11.0674,
-3.1142

■ 164.4170, 44.6574,
3.1423

■ 0.0000, 0.0000,
0.0000

■ 188.6380, 32.7165,
6.4565

■ 213.4570, 20.4807,

11.0002

■ 239.1510, 7.8136,
13.8996

■ 33.8400, 42.9699,
-15.6457

■ 33.8400, 42.9699,
-15.6457

■ 23.7950, 47.9221,
-17.3602

■ 43.8850, 38.0177,
-13.9311

■ 20.8380, 49.3799,
-18.2749

■ 53.9300, 33.0655,
-12.2166

■ 63.9750, 28.1133,
-10.5021

■ 74.0200, 23.1611,
-8.7875

■ 84.0650, 18.2090,
-7.0730

■ 94.4090, 13.1094,
-4.7437

■ 104.4540, 8.1572,
-3.0292

■ 114.4990, 3.2050,
-1.3146

■ 124.5440, -1.7472,
0.3999

Harmonies

Analogous

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



43.6800, 45.5138, -38.3074



33.8400, 42.9699, -15.6457



37.4970, 23.4190, 48.6761

Triad

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



33.8400, 42.9699, -15.6457



34.5080, -17.0124, 43.4045



38.3610, 2.2870, -33.6426

Complementary

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



33.8400, 42.9699, -15.6457



103.1600, -42.9699, 15.6457

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.



32.2850, -15.9165, -28.3139



33.8400, 42.9699, -15.6457



39.0170, -19.2354, 9.6321

Square

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



33.8400, 42.9699, -15.6457



31.9930, -15.7725, 65.7811



29.9370, -14.7589, -26.2547



44.1920, 22.0903, -38.7564

Rectangle

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



33.8400, 42.9699, -15.6457



39.2740, 8.2459, 62.0267



29.9370, -14.7589, -26.2547



36.5370, -4.7017, -32.0429

Sweetspot

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



33.8400, 42.9699, -15.6457



124.0220, 16.7512, -6.1583



88.3510, 10.6730, -63.4518



58.9100, 9.9044, -3.4291



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000

Same Dimension

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



33.8400, 42.9699, -15.6457



26.8170, 64.6732, -23.5185



40.5280, 39.6727, 15.3229



56.2710, 2.3314, -1.1147



21.2940, 51.1271, -18.6748



42.8160, 103.1277, -37.5496

Inverse Universe

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



48.5350, -11.1098, 63.5518



48.9520, -16.7383, 95.6351



96.4720, -39.6727, -15.3229



56.9080, -0.4476, 3.5887



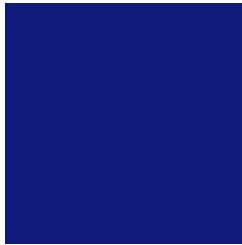
38.7430, -13.1843, 75.6474



78.0840, -26.6634, 152.5243

Previews

White Background



This preview shows how the YUV color 33.8400, 42.9699, -15.6457 looks on a white background.

Color Contrast Check

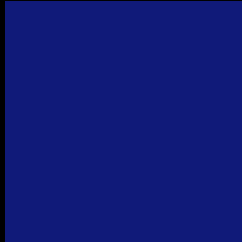
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8400, 42.9699, -15.6457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

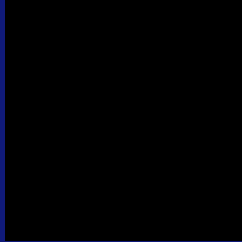
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 33.8400, 42.9699, -15.6457

Background



This preview shows how black text looks on a background with the YUV color 33.8400, 42.9699, -15.6457.



This preview shows how white text looks on a background with the YUV color 33.8400, 42.9699, -15.6457.

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

33.8400, 42.9699, -15.6457

Protanopia

33.8710, 25.6996, -29.7049

Deuteranopia

34.1500, 19.1531, -29.9495



Tritanopia

33.1750, 7.8017, -29.0945

Trichromacy



Original Color

33.8400, 42.9699, -15.6457

Protanomaly

34.2120, 31.9405, -24.7419

Deuteranomaly

33.7730, 27.7199, -24.3569

Tritanomaly

33.2370, 20.5892, -23.8868

Monochromacy



Original Color

33.8400, 42.9699, -15.6457

Achromatopsia

34.0000, 0.0000, 0.0000

Achromatomaly

33.7940, 15.8776, -5.9583

CSS Examples

Text

The CSS property to change the color of the text to YUV 33.8400, 42.9699, -15.6457 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(16, 26, 121)` looks like.

```
.text, #text, p{  
    color:rgb(16, 26, 121)  
}
```

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(16, 26, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 26, 121) }
```

Border

The CSS property to change the border of an element to YUV 33.8400, 42.9699, -15.6457 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(16, 26, 121) }
```


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

```
.border{ border-color:rgb(16, 26, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 26, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 26, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 26, 121);  
box-shadow:4px 4px 4px 4px rgb(16, 26,  
121) }
```

Background

The CSS property to change the background color of an element to YUV 33.8400, 42.9699, -15.6457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 26, 121) }
```

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

```
.background{ background-color: rgb(16, 26,  
121) }
```

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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