

Converting Colors

YUV(68.7840, 68.1405,
-15.5966)

Have a look what the booklet for
YUV(68.7840, 68.1405, -15.5966)
contains.

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Color

**YUV(68.7840, 68.1405,
-15.5966)**

Conversions

Conversions Part 1

Format	Color
Hex	3333CF
RGB	51, 51, 207
RGB Percent	20%, 20%, 81%
CMY	0.8000, 0.8000, 0.1882
CMYK	0.75, 0.75, 0.00, 0.19
HSL	240°, 62%, 51%
HSV	240°, 75%, 81%
XYZ	13.8116, 7.5765, 59.7659
YIQ	68.7840, -50.0760, 48.5160

Conversions

Conversions Part 2

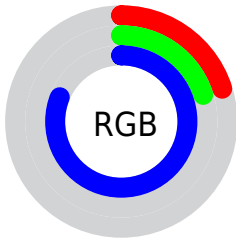
Format	Color
R_{YB}	51, 51, 207
Decimal	3355599
CIE _{Lab}	33.08, 51.30, -79.13
CIE _{LCh}	33, 94.299, 302.955
Yxy	7.5765, 0.1702, 0.0934
Android (android.graphics.Color)	4281545679 (0xFF3333CF)
YUV	68.7840, 68.1405, -15.5966
Hunter-Lab	27.5254, 41.3976, -109.4689

Details

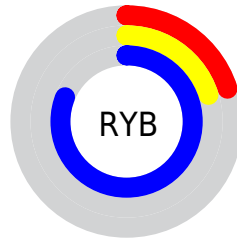
The YUV color **68.7840, 68.1405, -15.5966** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **189.2160, -68.1405, 15.5966**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **124.2480, 64.4607, -1.9715**, and **19.5620, 64.7989, -17.1559** is the 20% darker color. If you saturate the color by 10%, you get **50.1780, 77.3132, -17.6961**, and if you desaturate by 10%, it is **87.3900, 58.9677, -13.4970**.

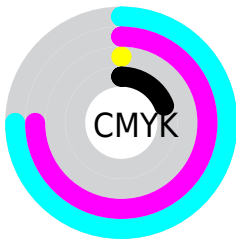
Distribution



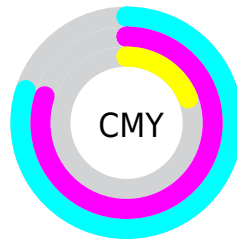
- Red (20%)
- Green (20%)
- Blue (81%)



- Red (20%)
- Yellow (20%)
- Blue (81%)



- Cyan (75%)
- Magenta (75%)
- Yellow (0%)
- Black (19%)



- Cyan (80%)
- Magenta (80%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the YUV color 68.7840, 68.1405, -15.5966 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 68.7840, 68.1405, -15.5966 by changing the saturation by 10% instead.

■ 68.7840, 68.1405,
-15.5966

■ 68.7840, 68.1405,
-15.5966

255.0000, 0.0000,
0.0000

■ 36.8420, 70.0839,
-32.3104

■ 124.2480, 64.4607,
-1.9715

■ 19.5620, 64.7989,
-17.1559

■ 148.1920, 52.6563,
4.2166

■ 14.1360, 54.1630,
-12.3973

■ 173.3100, 40.2732,
9.3751

■ 11.1720, 42.8062,
-9.7978

■ 198.4280, 27.8900,
14.5336

■ 13.6050, 29.2817,
-11.9316

■ 224.1330, 15.2174,
19.1774

■ 8.0480, 20.6823,
-7.0581

■ 243.2600, 5.7878,

■ 3.7790, 11.9410,

10.2960

-3.3142

■ 0.0000, 0.0000,
0.0000

■ 68.7840, 68.1405,
-15.5966

■ 68.7840, 68.1405,
-15.5966

■ 50.1780, 77.3132,
-17.6961

■ 87.3900, 58.9677,
-13.4970

■ 32.4580, 86.0492,
-19.6957

■ 105.1100, 50.2318,
-11.4975

■ 23.5980, 90.4172,
-20.6954

■ 123.7160, 41.0590,
-9.3979

■ 142.3220, 31.8863,
-7.2984

■ 160.9280, 22.7135,
-5.1989

■ 178.6480, 13.9775,
-3.1993

■ 197.2540, 4.8048,
-1.0998

■ 215.8600, -4.3680,
0.9998

■ 233.5800,
-13.1039, 2.9993

Harmonies

Analogous

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



78.8050, 76.0181, -69.1120



68.7840, 68.1405, -15.5966



66.3920, 39.7397, 87.3562

Triad

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



68.7840, 68.1405, -15.5966



66.5470, -32.8077, 69.6803



69.4500, 7.1732, -60.9076

Complementary

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



68.7840, 68.1405, -15.5966



189.2160, -68.1405, 15.5966

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.



58.7000, -28.9391, -51.4799



68.7840, 68.1405, -15.5966



72.6960, -35.8391, 15.1756

Square

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



68.7840, 68.1405, -15.5966



55.3150, -27.2703, 113.7337



55.1780, -27.2028, -48.3911



79.1740, 39.3542, -69.4356

Rectangle

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



68.7840, 68.1405, -15.5966



68.3950, 15.0883, 107.5246



55.1780, -27.2028, -48.3911



66.3720, -4.6204, -58.2082

Sweetspot

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



68.7840, 68.1405, -15.5966



202.7260, 25.7711, -5.8987



160.3560, 22.9955, -95.9052



96.1040, 15.7247, -3.5992



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

Same Dimension

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



68.7840, 68.1405, -15.5966



51.2200, 100.4635, -22.9949



92.1060, 56.6427, 32.3560



95.2540, 4.8048, -1.0998



19.1520, 73.3821, -16.7963



4.6740, 17.9087, -4.0991

Inverse Universe

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



115.4280, 45.1450, 80.3086



119.9900, 66.5599, 118.4038



165.8940, -56.6427, -32.3560



98.5430, 3.1833, 5.6628



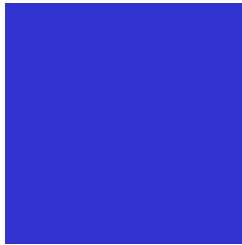
69.3840, 48.6177, 86.4862



16.9330, 11.8650, 21.1068

Previews

White Background



This preview shows how the YUV color 68.7840, 68.1405, -15.5966 looks on a white background.

Color Contrast Check

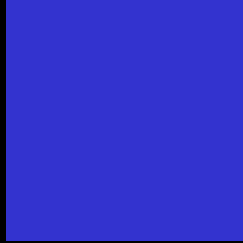
Large Text (above 18pt) WCAG AA ✓ Pass

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 68.7840, 68.1405, -15.5966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

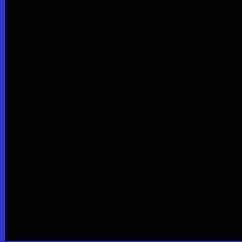
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 68.7840, 68.1405, -15.5966

Background



This preview shows how black text looks on a background with the YUV color 68.7840, 68.1405, -15.5966.



This preview shows how white text looks on a background with the YUV color 68.7840, 68.1405,

-15.5966.

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

68.7840, 68.1405, -15.5966

Protanopia

61.9230, 46.8730, -54.3065

Deuteranopia

62.2360, 35.3797, -54.5810



Tritanopia

60.8560, 14.8610, -53.3707

Trichromacy



Original Color

68.7840, 68.1405, -15.5966

Protanomaly

64.3730, 54.5391, -39.7921

Deuteranomaly

64.5380, 47.5558, -39.9368

Tritanomaly

63.6940, 34.1679, -39.1966

Monochromacy



Original Color

68.7840, 68.1405, -15.5966

Achromatopsia

69.0000, 0.0000, 0.0000

Achromatomaly

68.4980, 24.8975, -5.6987

CSS Examples

Text

The CSS property to change the color of the text to YUV 68.7840, 68.1405, -15.5966 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, 51, 207)` looks like.

```
.text, #text, p{  
    color:rgb(51, 51, 207)  
}
```

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, 51, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 51, 207) }
```

Border

The CSS property to change the border of an element to YUV 68.7840, 68.1405, -15.5966 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, 51, 207) }
```


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

```
.border{ border-color:rgb(51, 51, 207) }
```

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

Here you see how a box with a 4 pixel rgb(51, 51, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 51, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 51, 207);  
box-shadow:4px 4px 4px 4px rgb(51, 51,  
207) }
```

Background

The CSS property to change the background color of an element to YUV 68.7840, 68.1405, -15.5966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 51, 207) }
```

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

```
.background{ background-color: rgb(51, 51,  
207) }
```

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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