

Converting Colors

YUV(168.8320, -83.2342,
-90.1837)

Have a look what the booklet for
YUV(168.8320, -83.2342, -90.1837)
contains.

YUV(168.8320, -83.2342, -90.1837)	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>	30

Color

**YUV(168.8320, -83.2342,
-90.1837)**

Conversions

Conversions Part 1

Format	Color
Hex	42FE00
RGB	66, 254, 0
RGB Percent	26%, 100%, 0%
CMY	0.7412, 0.0039, 1.0000
CMYK	0.74, 0.00, 1.00, 0.00
HSL	104°, 100%, 50%
HSV	104°, 100%, 100%
XYZ	37.6886, 72.0419, 11.9191
YIQ	168.8320, -30.5140, -118.8500

Conversions

Conversions Part 2

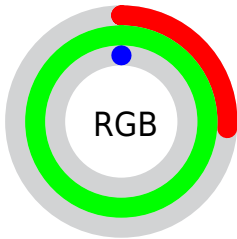
Format	Color
RYB	0, 254, 188
Decimal	4390400
CIELab	87.99, -80.89, 83.62
CIELCh	88, 116.343, 134.051
Yxy	72.0419, 0.3098, 0.5922
Android (android.graphics.Color)	4282580480 (0xFF42FE00)
YUV	168.8320, -83.2342, -90.1837
Hunter-Lab	84.8775, -69.2753, 51.0883

Details

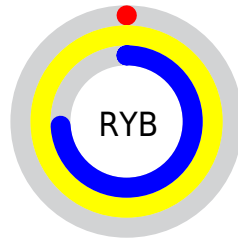
The YUV color **168.8320, -83.2342, -90.1837** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **85.1680, 83.2342, 90.1837**, and the grayscale version is **170.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **202.6310, -54.5411, -53.1734**, and **115.0520, -56.7206, -100.9006** is the 20% darker color. If you saturate the color by 10%, you get **168.8320, -83.2342, -90.1837**, and if you desaturate by 10%, it is **177.3630, -75.1150, -81.0024**.

Distribution



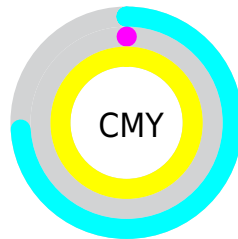
- Red (26%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (74%)



- Cyan (74%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)



- Cyan (74%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the YUV color 168.8320, -83.2342, -90.1837 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 168.8320, -83.2342, -90.1837 by changing the saturation by 10% instead.

■ 168.8320,
-83.2342, -90.1837

■ 168.8320,
-83.2342, -90.1837

■ 255.0000, 0.0000,
0.0000

■ 132.0750,
-65.1130, -115.8298

■ 202.6310,
-54.5411, -53.1734

■ 115.0520,
-56.7206, -100.9006

■ 216.3310,
-46.0122, -35.3703

■ 98.0290, -48.3283,
-85.9714

■ 229.3190,
-37.6253, -18.6968

■ 82.1800, -40.5147,
-72.0719

■ 242.3070,
-29.2384, -2.0232

■ 65.7440, -32.4118,
-57.6575

■ 250.2120,
-18.3455, 4.1991

■ 50.4820, -24.8876,
-44.2727

■ 253.6320, -5.2416,

■ 35.8070, -17.6529,

1.1997

-31.4027

■ 20.5450, -10.1287,
-18.0180

■ 0.0000, 0.0000,
0.0000

■ 168.8320,
-83.2342, -90.1837

■ 177.3630,
-75.1150, -81.0024

■ 186.0080,
-66.5589, -71.9210

■ 194.2400,
-58.2923, -63.3545

■ 202.8850,
-49.7363, -54.2731

■ 211.4160,
-41.6171, -45.0918

■ 219.9470,
-33.4979, -35.9105

■ 228.5920,
-24.9419, -26.8292

■ 236.8240,
-16.6752, -18.2626

■ 245.4690, -8.1192,
-9.1813

Harmonies

Analogous

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



201.3660, -99.2734, 14.5880



168.8320, -83.2342, -90.1837



167.3550, -6.0910, -146.7703

Triad

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



168.8320, -83.2342, -90.1837



175.8200, 39.0357, -154.1941



140.1060, 16.7097, 100.7620

Complementary

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



168.8320, -83.2342, -90.1837



85.1680, 83.2342, 90.1837

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.



159.9060, 46.8813, 83.3974



168.8320, -83.2342, -90.1837



156.4490, 48.5856, -137.2058

Square

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



168.8320, -83.2342, -90.1837



178.7550, 37.5888, -156.7681



200.4090, 26.9134, 47.8763



164.1880, -48.4067, 79.6421

Rectangle

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



168.8320, -83.2342, -90.1837



176.2470, 27.9792, -154.5686



200.4090, 26.9134, 47.8763



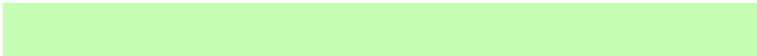
139.6280, 35.1864, 101.1812

Sweetspot

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



168.8320, -83.2342, -90.1837



229.2930, -24.7944, -27.4440



185.1280, -91.2681, 60.4007



112.5900, -15.0809, -16.3034



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.



168.8320, -83.2342, -90.1837



169.4190, -83.5236, -90.6985



155.8240, -47.7342, -136.6576



123.5280, -4.2043, -4.8481



127.0670, -62.6440, -67.5878



42.6510, -21.0269, -22.4959

Inverse Universe

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



85.1680, 83.2342, 90.1837



85.5810, 83.5236, 90.6985



98.1760, 47.7342, 136.6576



119.1730, 4.3517, 4.2333



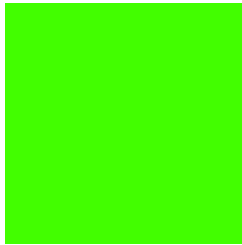
64.2320, 62.4966, 68.2025



21.3490, 21.0269, 22.4959

Previews

White Background



This preview shows how the YUV color 168.8320, -83.2342, -90.1837 looks on a white background.

Color Contrast Check

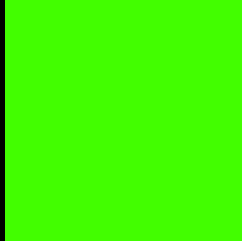
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YUV color 168.8320, -83.2342, -90.1837 looks on a black 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

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

YUV 168.8320, -83.2342, -90.1837 Background



This preview shows how black text looks on a background with the YUV color 168.8320, -83.2342, -90.1837.



This preview shows how white text looks on a background with the YUV color 168.8320, -83.2342, -90.1837.

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

202.4060, -99.7862, 39.1089

Deuteranopia

217.3330, -35.1672, 33.0340

Tritanopia

204.3790, 24.9562, -71.3694

Trichromacy



Protanomaly

190.3030, -93.8194, -8.1587

Deuteranomaly

199.4650, -52.4872, -11.8088

Tritanomaly

191.6070, -14.5963, -78.5853

Monochromacy



Achromatopsia

169.0000, 0.0000, 0.0000

Achromatomaly

169.1800, -30.1617, -32.6069

CSS Examples

Text

The CSS property to change the color of the text to YUV 168.8320, -83.2342, -90.1837 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(66, 254, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 254, 0)  
}
```

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(66, 254, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 254, 0) }
```

Border

The CSS property to change the border of an element to YUV 168.8320, -83.2342, -90.1837 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(66, 254, 0) }
```

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

```
.border{ border-color:rgb(66, 254, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 254, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 254, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 254, 0);  
box-shadow:4px 4px 4px 4px rgb(66, 254, 0)  
}
```


Background

The CSS property to change the background color of an element to YUV 168.8320, -83.2342, -90.1837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 254, 0) }
```

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

```
.background{ background-color: rgb(66, 254,  
0) }
```

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