

Converting Colors

YUV(198.9810, -78.8706,
-42.9563)

Have a look what the booklet for
YUV(198.9810, -78.8706, -42.9563)
contains.

YUV(198.9810, -78.8706, -42.9563)	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(198.9810, -78.8706,
-42.9563)**

Conversions

Conversions Part 1

Format	Color
Hex	96FF27
RGB	150, 255, 39
RGB Percent	59%, 100%, 15%
CMY	0.4118, 0.0000, 0.8471
CMYK	0.41, 0.00, 0.85, 0.00
HSL	89°, 100%, 58%
HSV	89°, 85%, 100%
XYZ	48.7039, 78.1505, 14.4371
YIQ	198.9810, 6.7560, -89.4360

Conversions

Conversions Part 2

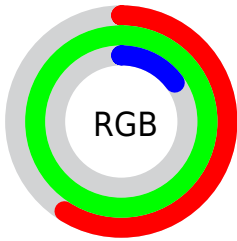
Format	Color
R _Y B	39, 255, 144
Decimal	9895719
CIE Lab	90.85, -60.44, 82.24
CIE LCh	91, 102.061, 126.316
Yxy	78.1505, 0.3447, 0.5531
Android (android.graphics.Color)	4288085799 (0xFF96FF27)
YUV	198.9810, -78.8706, -42.9563
Hunter-Lab	88.4028, -56.3636, 52.1993

Details

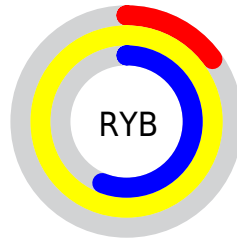
The YUV color **198.9810, -78.8706, -42.9563** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **95.0190, 78.8706, 42.9563**, and the grayscale version is **200.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **224.9720, -58.1602, -12.2534**, and **141.6520, -69.8344, -47.9298** is the 20% darker color. If you saturate the color by 10%, you get **192.5430, -88.0217, -47.8342**, and if you desaturate by 10%, it is **205.5330, -69.2828, -38.1784**.

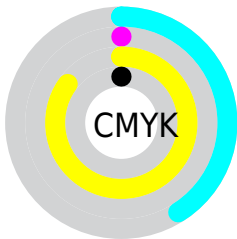
Distribution



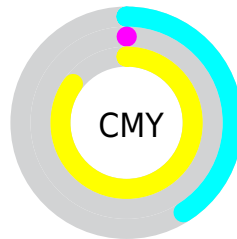
- Red (59%)
- Green (100%)
- Blue (15%)



- Red (15%)
- Yellow (100%)
- Blue (56%)



- Cyan (41%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)



- Cyan (41%)
- Magenta (0%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the YUV color 198.9810, -78.8706, -42.9563 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 198.9810, -78.8706, -42.9563 by changing the saturation by 10% instead.

198.9810,
-78.8706, -42.9563

198.9810,
-78.8706, -42.9563

255.0000, 0.0000,
0.0000

168.2430,
-82.9438, -43.1861

224.9720,
-58.1602, -12.2534

141.6520,
-69.8344, -47.9298

237.6610,
-49.6259, 3.8053

115.3380,
-56.8616, -55.5474

244.9680,
-38.4382, 8.7981

83.3540, -41.0935,
-73.1015

248.2740,
-25.7711, 5.8987

68.0920, -33.5694,
-59.7167

251.6940,
-12.6671, 2.8994

52.8300, -26.0452,
-46.3319

38.1550, -18.8104,

-33.4619

■ 24.6540, -12.1544,
-21.6216

■ 3.5220, -1.7363,
-3.0888

■ 198.9810,
-78.8706, -42.9563

■ 198.9810,
-78.8706, -42.9563

■ 192.5430,
-88.0217, -47.8342

■ 205.5330,
-69.2828, -38.1784

■ 188.8540,
-93.1050, -50.7380

■ 212.2700,
-60.2791, -32.6858

■ 218.8220,
-50.6912, -27.9079

■ 225.5590,
-41.6876, -22.4152

■ 232.1110,
-32.0997, -17.6373

■ 238.5490,
-22.9487, -12.7595

■ 245.4000,
-13.5082, -7.3668

■ 251.8380, -4.3571,
-2.4889

255.0000, 0.0000,
0.0000

Harmonies

Analogous

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



211.5430, -104.2907, 37.2348



198.9810, -78.8706, -42.9563



166.2150, -10.4590, -145.7706

Triad

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



198.9810, -78.8706, -42.9563



178.7550, 37.5888, -156.7681



170.8530, 20.2855, 73.7969

Complementary

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



198.9810, -78.8706, -42.9563



95.0190, 78.8706, 42.9563

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.



189.8430, 32.1224, 57.1427



198.9810, -78.8706, -42.9563



166.4280, 43.6660, -145.9574

Square

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



198.9810, -78.8706, -42.9563



178.7550, 37.5888, -156.7681



218.6060, 17.9422, 31.9175



177.1600, -29.1659, 68.2657

Rectangle

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



198.9810, -78.8706, -42.9563



173.9670, 19.2433, -152.5691



218.6060, 17.9422, 31.9175



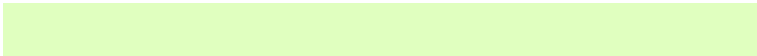
175.7890, 34.1210, 69.4680

Sweetspot

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



198.9810, -78.8706, -42.9563



238.4350, -23.3855, -12.6595



164.6320, -61.9366, 79.2527



117.8730, -14.2344, -7.7816



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.



198.9810, -78.8706, -42.9563



188.8540, -93.1050, -50.7380



166.9880, -63.0981, -108.7375



124.4250, -4.6465, -3.0037



141.4190, -69.7196, -38.0785



47.4350, -23.3855, -12.6595

Inverse Universe

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



95.0190, 78.8706, 42.9563



66.1460, 93.1050, 50.7380



127.0120, 63.0981, 108.7375



118.2760, 4.7939, 2.3889



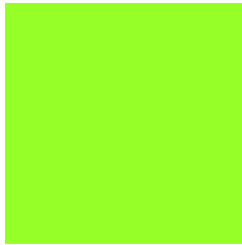
49.5810, 69.7196, 38.0785



16.5650, 23.3855, 12.6595

Previews

White Background



This preview shows how the YUV color 198.9810, -78.8706, -42.9563 looks on a white background.

Color Contrast Check

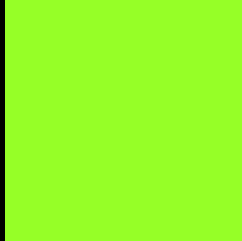
Large Text (above 18pt) WCAG AA × Fail

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 198.9810, -78.8706, -42.9563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

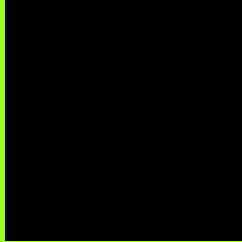
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

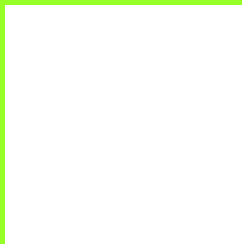
Any Text WCAG AAA ✓ Pass

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

YUV 198.9810, -78.8706, -42.9563 Background



This preview shows how black text looks on a background with the YUV color 198.9810, -78.8706, -42.9563.



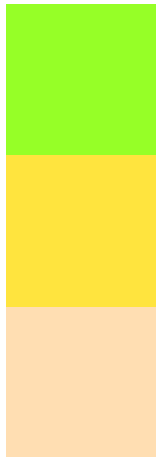
This preview shows how white text looks on a background with the YUV color 198.9810, -78.8706, -42.9563.

-42.9563.

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

198.9810, -78.8706, -42.9563

Protanopia

217.1490, -76.4885, 33.1953

Deuteranopia

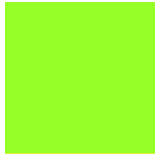
226.8510, -24.0835, 24.6867



Tritanopia

222.6070, 15.9697, -35.6123

Trichromacy



Original Color

198.9810, -78.8706, -42.9563



Protanomaly

210.7450, -77.2753, 5.4856



Deuteranomaly

216.7190, -44.2315, 0.2464



Tritanomaly

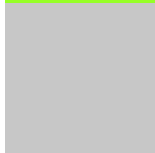
214.1220, -18.7941, -38.6950

Monochromacy



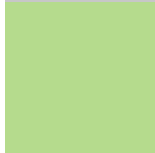
Original Color

198.9810, -78.8706, -42.9563



Achromatopsia

199.0000, 0.0000, 0.0000



Achromatomaly

198.7460, -28.4688, -15.5632

CSS Examples

Text

The CSS property to change the color of the text to YUV 198.9810, -78.8706, -42.9563 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(150, 255, 39)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 39)  
}
```

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(150, 255, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 39) }
```

Border

The CSS property to change the border of an element to YUV 198.9810, -78.8706, -42.9563 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(150, 255, 39) }
```


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

```
.border{ border-color:rgb(150, 255, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 39);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
39) }
```

Background

The CSS property to change the background color of an element to YUV 198.9810, -78.8706, -42.9563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 39) }
```

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

```
.background{ background-color: rgb(150,  
255, 39) }
```

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