

Converting Colors

YUV(168.2800, 42.7530,
54.1284)

Have a look what the booklet for
YUV(168.2800, 42.7530, 54.1284)
contains.

YUV(168.2800, 42.7530, 54.1284)	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(168.2800, 42.7530,
54.1284)**

Conversions

Conversions Part 1

Format	Color
Hex	E678FF
RGB	230, 120, 255
RGB Percent	90%, 47%, 100%
CMY	0.0980, 0.5294, 0.0000
CMYK	0.10, 0.53, 0.00, 0.00
HSL	289°, 100%, 74%
HSV	289°, 53%, 100%
XYZ	57.3996, 37.4759, 98.8160
YIQ	168.2800, 22.2250, 65.3050

Conversions

Conversions Part 2

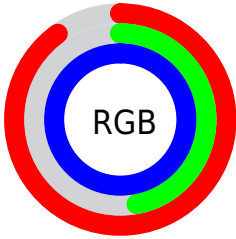
Format	Color
RYB	230, 120, 255
Decimal	15104255
CIELab	67.63, 62.14, -49.44
CIELCh	68, 79.413, 321.495
Yxy	37.4759, 0.2963, 0.1935
Android (android.graphics.Color)	4293294335 (0xFFE678FF)
YUV	168.2800, 42.7530, 54.1284
Hunter-Lab	61.2176, 60.2366, -52.8522

Details

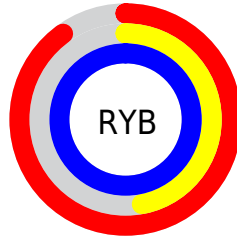
The YUV color **168.2800, 42.7530, 54.1284** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **206.7200, -42.7530, -54.1284**, and the grayscale version is **168.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **208.6270, 22.8619, 40.6691**, and **111.5680, 42.6110, 52.9989** is the 20% darker color. If you saturate the color by 10%, you get **152.1100, 50.7248, 63.9245**, and if you desaturate by 10%, it is **185.0370, 34.4918, 43.8176**.

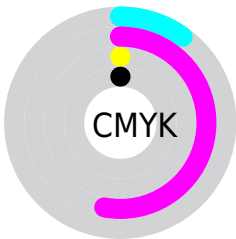
Distribution



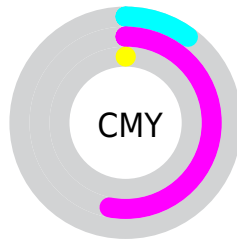
- Red (90%)
- Green (47%)
- Blue (100%)



- Red (90%)
- Yellow (47%)
- Blue (100%)



- Cyan (10%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the YUV color 168.2800, 42.7530, 54.1284 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 168.2800, 42.7530, 54.1284 by changing the saturation by 10% instead.


 168.2800, 42.7530,
54.1284


 168.2800, 42.7530,
54.1284


255.0000, 0.0000,
0.0000

 139.8670, 42.4636,
53.6136


 208.6270, 22.8619,
40.6691


 111.5680, 42.6110,
52.9989


 225.6500, 14.4696,
25.7400

 82.0950, 43.3372,
53.4137

 242.6730, 6.0772,
10.8108

 50.6870, 45.5103,
56.4025

 39.6500, 38.1335,
42.4030

 28.6130, 30.7568,
28.4034

 18.1030, 24.1062,

14.8187

■ 5.0160, 19.2191,
-4.3990

■ 3.0950, 9.3202,
-2.7143

■ 168.2800, 42.7530,
54.1284

■ 168.2800, 42.7530,
54.1284

■ 152.1100, 50.7248,
63.9245

■ 185.0370, 34.4918,
43.8176

■ 135.6520, 58.8386,
74.8502

■ 200.9080, 26.6674,
33.4067

■ 119.4820, 66.8104,
84.6463

■ 217.0780, 18.6955,
23.6106

■ 102.7250, 75.0716,
94.9572

■ 233.8350, 10.4343,
13.2997

91.2620, 80.7228,
102.3792

250.5920, 2.1731,
2.9888

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.



155.0380, 49.2813, -33.3593



168.2800, 42.7530, 54.1284



149.9200, 18.7734, 92.1552

Triad

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



168.2800, 42.7530, 54.1284



154.3840, -76.1113, 52.2832



140.1490, 36.9015, -122.9107

Complementary

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



168.2800, 42.7530, 54.1284



206.7200, -42.7530, -54.1284

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.



131.1260, 4.8679, -114.9975



168.2800, 42.7530, 54.1284



147.5640, -72.7491, 0.3824

Square

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



168.2800, 42.7530, 54.1284



154.1460, -51.3440, 88.4490



130.9430, -31.0309, -80.6340



142.3610, 55.5310, -124.8506

Rectangle

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



168.2800, 42.7530, 54.1284



143.2740, -1.6141, 97.9837



130.9430, -31.0309, -80.6340



137.4130, 26.4184, -120.5112

Sweetspot

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



168.2800, 42.7530, 54.1284



228.5410, 13.0443, 16.1885



151.2390, 51.1542, -27.3966



111.8300, 7.9718, 9.7961



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.



168.2800, 42.7530, 54.1284



150.3490, 51.5929, 65.4689



171.1950, 21.5959, 73.4970



119.4720, 4.2043, 4.8481



68.4180, 60.4329, 76.8094



22.8440, 20.2899, 25.5698

Inverse Universe

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



163.2150, -8.9800, 80.4954



144.1570, -10.9234, 97.2093



203.9190, -21.1591, -73.5970



119.1150, -1.0427, 7.7921



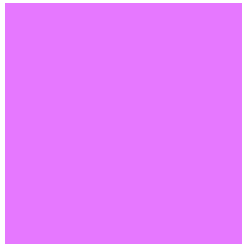
61.0990, -12.8668, 113.9232



20.5040, -4.1925, 38.1460

Previews

White Background



This preview shows how the YUV color 168.2800, 42.7530, 54.1284 looks on a white background.

Color Contrast Check

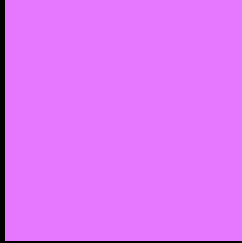
Large Text (above 18pt) WCAG AA × Fail

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 168.2800, 42.7530, 54.1284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

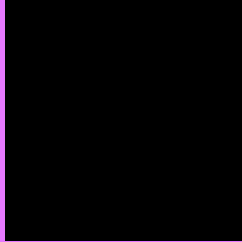
Any Text WCAG AA ✓ Pass

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 168.2800, 42.7530, 54.1284 Background



This preview shows how black text looks on a background with the YUV color 168.2800, 42.7530, 54.1284.



This preview shows how white text looks on a background with the YUV color 168.2800, 42.7530,

54.1284.

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

168.2800, 42.7530, 54.1284

Protanopia

163.0340, 45.3392, -28.9708

Deuteranopia

162.6980, 41.5609, -30.4301



Tritanopia

167.4830, -5.6611, 42.5494

Trichromacy



Original Color

168.2800, 42.7530, 54.1284



Protanomaly

164.9930, 44.3735, 0.8831



Deuteranomaly

164.7110, 42.0475, 0.2535

Tritanomaly

167.7990, 11.9311, 46.6573

Monochromacy



Original Color

168.2800, 42.7530, 54.1284



Achromatopsia

168.0000, 0.0000, 0.0000



Achromatomaly

168.5460, 15.5068, 19.6922

CSS Examples

Text

The CSS property to change the color of the text to YUV 168.2800, 42.7530, 54.1284 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(230, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 120, 255)  
}
```

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(230, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 120, 255) }
```

Border

The CSS property to change the border of an element to YUV 168.2800, 42.7530, 54.1284 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(230, 120, 255) }
```


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

```
.border{ border-color:rgb(230, 120, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 120,  
255) }
```

Background

The CSS property to change the background color of an element to YUV 168.2800, 42.7530, 54.1284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 120, 255) }
```

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

```
.background{ background-color: rgb(230,  
120, 255) }
```

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