

Converting Colors

YUV(117.8030, 66.1591,
13.3278)

Have a look what the booklet for
YUV(117.8030, 66.1591, 13.3278)
contains.

YUV(117.8030, 66.1591, 13.3278)	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(117.8030, 66.1591,
13.3278)**

Conversions

Conversions Part 1

Format	Color
Hex	8554FC
RGB	133, 84, 252
RGB Percent	52%, 33%, 99%
CMY	0.4784, 0.6706, 0.0118
CMYK	0.47, 0.67, 0.00, 0.01
HSL	258°, 97%, 66%
HSV	258°, 67%, 99%
XYZ	30.4139, 18.3555, 94.0354
YIQ	117.8030, -24.7240, 62.6360

Conversions

Conversions Part 2

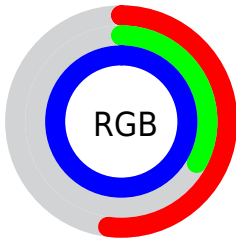
Format	Color
R _Y B	133, 84, 252
Decimal	8738044
CIE Lab	49.92, 57.83, -76.80
CIE LCh	50, 96.139, 306.982
Yxy	18.3555, 0.2130, 0.1285
Android (android.graphics.Color)	4286928124 (0xFF8554FC)
YUV	117.8030, 66.1591, 13.3278
Hunter-Lab	42.8433, 51.7390, -100.1435

Details

The YUV color **117.8030, 66.1591, 13.3278** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **218.1970, -66.1591, -13.3278**, and the grayscale version is **117.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **167.4950, 43.1400, 23.2449**, and **61.5310, 65.3072, 6.5503** is the 20% darker color. If you saturate the color by 10%, you get **97.7460, 76.0472, 15.1318**, and if you desaturate by 10%, it is **137.8600, 56.2710, 11.5238**.

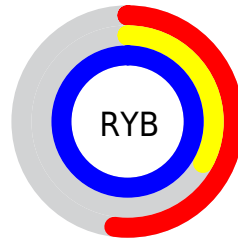
Distribution



Red (52%)

Green (33%)

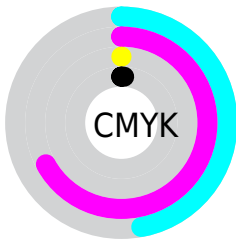
Blue (99%)



Red (52%)

Yellow (33%)

Blue (99%)

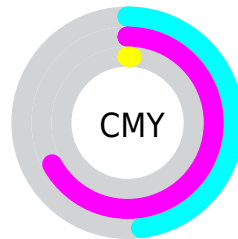


Cyan (47%)

Magenta (67%)

Yellow (0%)

Black (1%)



Cyan (48%)

Magenta (67%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the YUV color 117.8030, 66.1591, 13.3278 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 117.8030, 66.1591, 13.3278 by changing the saturation by 10% instead.

■ 117.8030, 66.1591,
13.3278

■ 117.8030, 66.1591,
13.3278

255.0000, 0.0000,
0.0000

■ 89.9660, 65.5858,
10.5538

■ 167.4950, 43.1400,
23.2449

■ 61.5310, 65.3072,
6.5503

■ 192.3140, 30.9042,
27.7886

■ 26.6980, 68.6759,
-0.6121

■ 217.4320, 18.5210,
32.9471

■ 15.8460, 60.7149,
-13.8969

■ 234.4550, 10.1287,
18.0180

■ 12.8820, 49.3582,
-11.2975

■ 251.4780, 1.7363,
3.0888

■ 10.5050, 37.7120,
-9.2129

■ 10.5900, 25.3451,

-9.2874

■ 6.3210, 16.6037,
-5.5435

■ 2.5250, 7.1362,
-2.2144

■ 117.8030, 66.1591,
13.3278

■ 117.8030, 66.1591,
13.3278

■ 97.7460, 76.0472,
15.1318

■ 137.8600, 56.2710,
11.5238

■ 77.6890, 85.9353,
16.9357

■ 157.9170, 46.3829,
9.7198

■ 57.0450, 96.1128,
19.2545

■ 178.5610, 36.2054,
7.4010

■ 50.8540, 99.1650,
20.2990

■ 198.3190, 26.4647,
4.9822

■ 218.3760, 16.5766,
3.1782

■ 238.4330, 6.6885,
1.3743

254.6580, -1.3104,
0.2999

Harmonies

Analogous

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



102.4450, 75.2096, -89.8443



117.8030, 66.1591, 13.3278



88.6640, 47.4936, 120.4437

Triad

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



117.8030, 66.1591, 13.3278



110.2490, -54.3528, 73.4496



103.6680, 16.4327, -90.9168

Complementary

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



117.8030, 66.1591, 13.3278



218.1970, -66.1591, -13.3278

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.



91.7610, -21.5742, -80.4744



117.8030, 66.1591, 13.3278



109.8860, -54.1738, 15.8860

Square

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



117.8030, 66.1591, 13.3278



73.8550, -26.0575, 144.8322



81.8920, -40.3728, -70.9423



112.7880, 51.3765, -98.9151

Rectangle

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



117.8030, 66.1591, 13.3278



89.6840, 20.3688, 140.5971



81.8920, -40.3728, -70.9423



99.7750, 4.0549, -87.5027

Sweetspot

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



117.8030, 66.1591, 13.3278



214.2990, 20.0656, 4.1228



173.5920, 38.6551, -78.5722



103.2250, 12.2141, 2.4337



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.



117.8030, 66.1591, 13.3278



92.1960, 80.2624, 16.4911



142.6200, 53.9243, 64.3543



114.6780, 5.0887, 1.1594



37.9910, 74.4474, 14.9169



12.3360, 23.9914, 4.9673

Inverse Universe

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



147.7980, 27.2146, 91.3852



128.5260, 33.2647, 110.9177



193.3800, -53.9243, -64.3543



116.9130, 2.0149, 7.0923



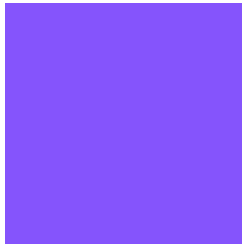
71.7870, 30.6710, 102.7958



23.1410, 9.7905, 33.2023

Previews

White Background



This preview shows how the YUV color 117.8030, 66.1591, 13.3278 looks on a white background.

Color Contrast Check

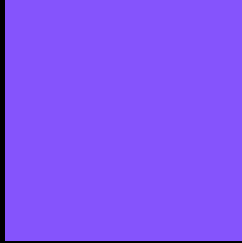
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YUV color 117.8030, 66.1591, 13.3278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

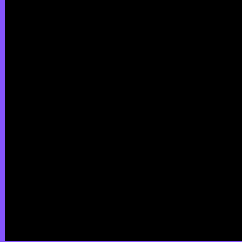
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YUV 117.8030, 66.1591, 13.3278

Background



This preview shows how black text looks on a background with the YUV color 117.8030, 66.1591, 13.3278.



This preview shows how white text looks on a background with the YUV color 117.8030, 66.1591, 13.3278.

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

117.8030, 66.1591, 13.3278

Protanopia

94.5060, 72.7145, -82.8818

Deuteranopia

94.8530, 56.2745, -83.1861



Tritanopia

116.4480, 7.1741, -14.4249

Trichromacy



Original Color

117.8030, 66.1591, 13.3278

Protanomaly

102.8570, 70.5695, -48.1096

Deuteranomaly

103.3980, 59.9498, -48.5840

Tritanomaly

116.8340, 28.6758, -4.2394

Monochromacy



Original Color

117.8030, 66.1591, 13.3278

Achromatopsia

118.0000, 0.0000, 0.0000

Achromatomaly

118.0370, 24.1388, 4.3526

CSS Examples

Text

The CSS property to change the color of the text to YUV 117.8030, 66.1591, 13.3278 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(133, 84, 252)` looks like.

```
.text, #text, p{  
    color:rgb(133, 84, 252)  
}
```

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(133, 84, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 84, 252) }
```

Border

The CSS property to change the border of an element to YUV 117.8030, 66.1591, 13.3278 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(133, 84, 252) }
```


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

```
.border{ border-color:rgb(133, 84, 252) }
```

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

Here you see how a box with a 4 pixel rgb(133, 84, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 84, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 84, 252);  
box-shadow:4px 4px 4px 4px rgb(133, 84,  
252) }
```

Background

The CSS property to change the background color of an element to YUV 117.8030, 66.1591, 13.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 84, 252) }
```

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

```
.background{ background-color: rgb(133, 84,  
252) }
```

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