

# Converting Colors

YUV(153.4650, 42.1688,  
54.8432)

Have a look what the booklet for  
YUV(153.4650, 42.1688, 54.8432)  
contains.

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# Color

**YUV(153.4650, 42.1688,  
54.8432)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D869EF
RGB	216, 105, 239
RGB Percent	85%, 41%, 94%
CMY	0.1529, 0.5882, 0.0627
CMYK	0.10, 0.56, 0.00, 0.06
HSL	290°, 81%, 67%
HSV	290°, 56%, 94%
XYZ	48.9505, 30.9341, 85.0523
YIQ	153.4650, 23.1420, 65.2060

# Conversions

## Conversions Part 2

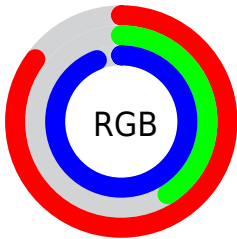
Format	Color
R <sub>YB</sub>	216, 105, 239
Decimal	14182895
CIE <sub>Lab</sub>	62.45, 62.63, -48.93
CIE <sub>LCh</sub>	62, 79.476, 322.000
Yxy	30.9341, 0.2968, 0.1876
Android (android.graphics.Color)	4292372975 (0xFFD869EF)
YUV	153.4650, 42.1688, 54.8432
Hunter-Lab	55.6184, 59.7679, -51.7340

# Details

The YUV color **153.4650, 42.1688, 54.8432** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **190.5350, -42.1688, -54.8432**, and the grayscale version is **153.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **199.8220, 27.2028, 48.3911**, and **96.1660, 42.3162, 54.2284** is the 20% darker color. If you saturate the color by 10%, you get **138.1810, 49.7038, 64.7393**, and if you desaturate by 10%, it is **168.7490, 34.6337, 44.9471**.

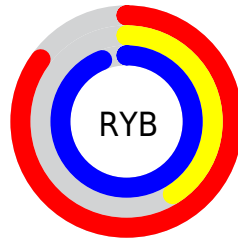
# Distribution



Red (85%)

Green (41%)

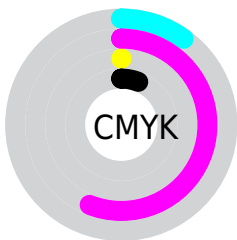
Blue (94%)



Red (85%)

Yellow (41%)

Blue (94%)

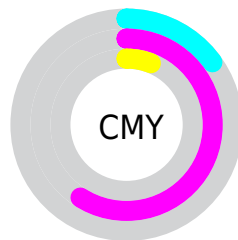


Cyan (10%)

Magenta (56%)

Yellow (0%)

Black (6%)



Cyan (15%)

Magenta (59%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 153.4650, 42.1688, 54.8432 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 153.4650, 42.1688, 54.8432 by changing the saturation by 10% instead.





 153.4650, 42.1688,  
54.8432


 153.4650, 42.1688,  
54.8432


255.0000, 0.0000,  
0.0000


 125.0520, 41.8794,  
54.3284


 199.8220, 27.2028,  
48.3911

 96.1660, 42.3162,  
54.2284


 216.2580, 19.0998,  
33.9767


 61.2360, 46.2257,  
60.3060

 233.2810, 10.7075,  
19.0476

 45.2040, 41.3114,  
49.8101

 250.3040, 2.3151,  
4.1184

 34.1670, 33.9347,  
35.8105

 23.5430, 26.8473,  
22.3258

 11.8370, 20.7864,

6.2820

■ 4.8220, 13.3988,  
-4.2289

■ 0.3420, 1.3104,  
-0.2999

■ 153.4650, 42.1688,  
54.8432

■ 153.4650, 42.1688,  
54.8432

■ 138.1810, 49.7038,  
64.7393

■ 168.7490, 34.6337,  
44.9471

■ 122.8970, 57.2388,  
74.6353

■ 184.0330, 27.0987,  
35.0511

■ 107.6130, 64.7738,  
84.5314

■ 199.3170, 19.5637,  
25.1550

■ 92.3290, 72.3088,  
94.4275

■ 214.6010, 12.0287,  
15.2589

86.4480, 75.2081,  
97.8311

229.5970, 4.6357,  
6.4924

244.8810, -2.8993,  
-3.4036

250.1860, -5.5147,  
-4.5481

251.3820, -6.1043,  
-2.0890

252.5780, -6.6940,  
0.3701

# Harmonies

## Analogous

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



142.3350, 55.5438, -35.3738



153.4650, 42.1688, 54.8432



138.2310, 17.1411, 102.4064

# Triad

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



153.4650, 42.1688, 54.8432



141.9690, -69.9907, 49.1392



129.8620, 35.5640, -113.8890

# Complementary

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



153.4650, 42.1688, 54.8432



190.5350, -42.1688, -54.8432

# 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.



120.9530, 3.9672, -106.0758



153.4650, 42.1688, 54.8432



135.1490, -66.6285, -2.7617

# Square

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



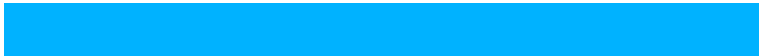
153.4650, 42.1688, 54.8432



142.4130, -52.9546, 91.7228



108.9950, -26.6195, -95.5886



133.5560, 59.8719, -117.1286



# Rectangle

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



153.4650, 42.1688, 54.8432



131.1120, -2.5202, 108.6498



108.9950, -26.6195, -95.5886



127.1260, 25.0809, -111.4895

# Sweetspot

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



153.4650, 42.1688, 54.8432



227.6660, 13.4757, 17.8329



134.9510, 51.2962, -26.2670



111.2430, 8.2612, 10.3109



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.



153.4650, 42.1688, 54.8432



145.9520, 53.7607, 70.2021



155.5540, 20.4329, 73.1821



112.3580, 3.7675, 4.9480



66.4240, 57.9650, 75.0502



20.1380, 17.6800, 22.6810



# Inverse Universe

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



147.6880, -9.7062, 80.0806



138.4350, -12.5395, 102.2275



188.4460, -20.4329, -73.1821



111.8160, -0.8953, 7.1774



58.6640, -13.1454, 109.9197

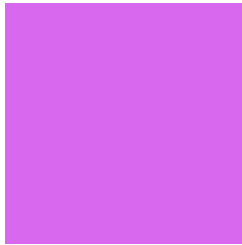


17.8840, -3.8868, 33.4277



# Previews

## White Background



This preview shows how the YUV color 153.4650, 42.1688, 54.8432 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

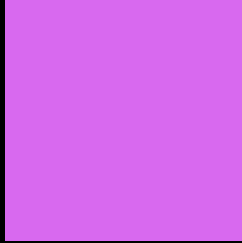
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 153.4650, 42.1688, 54.8432 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

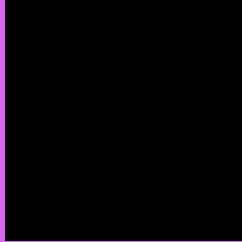
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 153.4650, 42.1688, 54.8432

## Background



This preview shows how black text looks on a background with the YUV color 153.4650, 42.1688, 54.8432.



This preview shows how white text looks on a background with the YUV color 153.4650, 42.1688, 54.8432.

54.8432.

# 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

153.4650, 42.1688, 54.8432

### Protanopia

147.3410, 53.0759, -37.1331

### Deuteranopia

148.7580, 40.5453, -31.3598



## Tritanopia

153.6680, -6.2453, 43.2642

## Trichromacy



### Original Color

153.4650, 42.1688, 54.8432



### Protanomaly

149.2250, 49.1891, -3.7053



### Deuteranomaly

150.1840, 41.3213, -0.1614



### Tritanomaly

153.9840, 11.3469, 47.3720

## Monochromacy



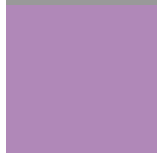
### Original Color

153.4650, 42.1688, 54.8432



### Achromatopsia

153.0000, 0.0000, 0.0000



### Achromatomaly

153.4320, 15.0700, 19.7921

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 153.4650, 42.1688, 54.8432 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(216, 105, 239)` looks like.

```
.text, #text, p{  
    color:rgb(216, 105, 239)  
}
```

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(216, 105, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 105, 239) }
```

## Border

The CSS property to change the border of an element to YUV 153.4650, 42.1688, 54.8432 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(216, 105, 239) }
```



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

```
.border{ border-color:rgb(216, 105, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 105, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 105, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 105, 239);  
box-shadow:4px 4px 4px 4px rgb(216, 105,  
239) }
```

# Background

The CSS property to change the background color of an element to YUV 153.4650, 42.1688, 54.8432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 105, 239) }
```

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

```
.background{ background-color: rgb(216,  
105, 239) }
```

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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