

# Converting Colors

YUV(170.7400, 28.2292,  
45.8320)

Have a look what the booklet for  
YUV(170.7400, 28.2292, 45.8320)  
contains.

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# Color

**YUV(170.7400, 28.2292,  
45.8320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF85E4
RGB	223, 133, 228
RGB Percent	87%, 52%, 89%
CMY	0.1255, 0.4784, 0.1059
CMYK	0.02, 0.42, 0.00, 0.11
HSL	297°, 64%, 71%
HSV	297°, 42%, 89%
XYZ	52.8225, 38.0645, 77.9619
YIQ	170.7400, 23.1450, 48.6250

# Conversions

## Conversions Part 2

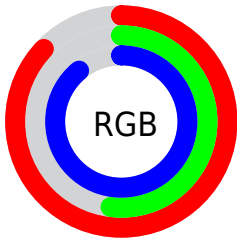
Format	Color
R <sub>Y</sub> B	223, 133, 228
Decimal	14648804
CIE Lab	68.07, 48.72, -33.98
CIE LCh	68, 59.400, 325.107
Yxy	38.0645, 0.3128, 0.2254
Android (android.graphics.Color)	4292838884 (0xFFDF85E4)
YUV	170.7400, 28.2292, 45.8320
Hunter-Lab	61.6964, 44.8574, -31.7336

# Details

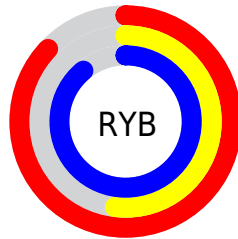
The YUV color **170.7400, 28.2292, 45.8320** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **190.2600, -28.2292, -45.8320**, and the grayscale version is **170.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **215.6710, 19.3892, 34.4915**, and **116.2020, 27.5084, 43.6728** is the 20% darker color. If you saturate the color by 10%, you get **156.9400, 35.0326, 57.0576**, and if you desaturate by 10%, it is **184.5400, 21.4258, 34.6064**.

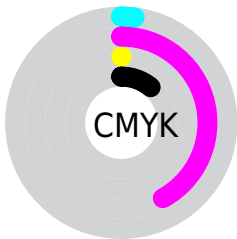
# Distribution



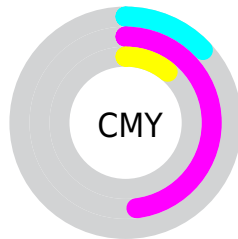
- Red (87%)
- Green (52%)
- Blue (89%)



- Red (87%)
- Yellow (52%)
- Blue (89%)



- Cyan (2%)
- Magenta (42%)
- Yellow (0%)
- Black (11%)



- Cyan (13%)
- Magenta (48%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 170.7400, 28.2292, 45.8320 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 170.7400, 28.2292, 45.8320 by changing the saturation by 10% instead.



170.7400, 28.2292,  
45.8320

170.7400, 28.2292,  
45.8320

255.0000, 0.0000,  
0.0000

143.0280, 28.0872,  
44.7024

215.6710, 19.3892,  
34.4915

116.2020, 27.5084,  
43.6728

232.6940, 10.9969,  
19.5624

89.4900, 27.3664,  
42.5433

249.7170, 2.6045,  
4.6332

62.3160, 27.9452,  
43.5729

36.1310, 28.5294,  
42.8581

25.6210, 21.8788,  
29.2734

16.4210, 15.0754,

18.0478

■ 3.4370, 10.6306,  
-3.0142

■ 0.0000, 0.0000,  
0.0000

■ 170.7400, 28.2292,  
45.8320

■ 170.7400, 28.2292,  
45.8320

■ 156.9400, 35.0326,  
57.0576

■ 184.5400, 21.4258,  
34.6064

■ 143.1400, 41.8360,  
68.2832

■ 198.3400, 14.6224,  
23.3808

■ 129.6280, 48.4974,  
78.3792

■ 211.8520, 7.9610,  
13.2848

■ 115.8280, 55.3008,  
89.6048

■ 225.6520, 1.1576,  
2.0592

102.0280, 62.1042,  
100.8304

239.4520, -5.6458,  
-9.1664

90.5760, 67.7500,  
109.9968

244.4470, -8.1084,  
-12.6700

244.7460, -8.2558,  
-12.0552

245.3440, -8.5506,  
-10.8257

245.6430, -8.6980,  
-10.2109

# Harmonies

## Analogous

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



165.8020, 43.9746, -11.2274



170.7400, 28.2292, 45.8320



165.6890, 5.5763, 78.3257

# Triad

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



170.7400, 28.2292, 45.8320



160.5450, -53.5127, 37.2330



136.6440, 36.1645, -119.8368

# Complementary

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



170.7400, 28.2292, 45.8320



190.2600, -28.2292, -45.8320

# 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.



130.3740, 12.1406, -114.3380



170.7400, 28.2292, 45.8320



155.5290, -46.1098, -3.9719

# Square

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



170.7400, 28.2292, 45.8320



163.4300, -42.1170, 68.9059



145.6160, -21.5027, -56.6682



138.6110, 56.3938, -121.5618



# Rectangle

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



170.7400, 28.2292, 45.8320



161.5850, -10.1484, 81.9250



145.6160, -21.5027, -56.6682



134.5920, 28.3021, -118.0372

# Sweetspot

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



170.7400, 28.2292, 45.8320



235.0310, 9.8447, 15.7588



147.3520, 39.7595, -12.5867



115.0750, 6.3720, 9.5812



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.



170.7400, 28.2292, 45.8320



178.3580, 37.7845, 61.0760



167.5610, 9.5834, 53.0050



107.6570, 3.6201, 5.5628



70.9370, 53.2751, 86.0013



20.1660, 15.2012, 24.4104



# Inverse Universe

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



161.9750, -11.8197, 57.9039



166.6570, -16.0999, 77.4768



193.4390, -9.5834, -53.0050



106.7020, -1.3321, 7.2773



54.5470, -22.4547, 109.1453

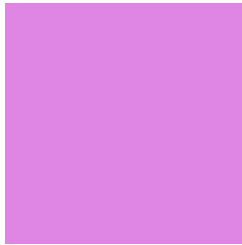


15.5910, -6.2074, 31.0537



# Previews

## White Background



This preview shows how the YUV color 170.7400, 28.2292, 45.8320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

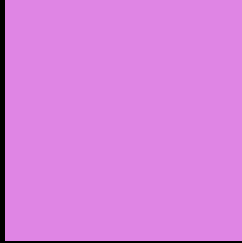
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 170.7400, 28.2292, 45.8320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

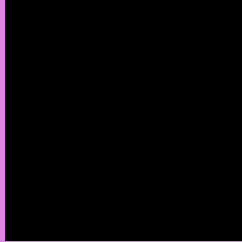
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 170.7400, 28.2292, 45.8320

## Background



This preview shows how black text looks on a background with the YUV color 170.7400, 28.2292, 45.8320.



This preview shows how white text looks on a background with the YUV color 170.7400, 28.2292, 45.8320.

45.8320.

# 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

170.7400, 28.2292, 45.8320

### Protanopia

164.7740, 43.0024, -26.1118

### Deuteranopia

166.7250, 27.2506, -13.7908



## Tritanopia

168.9880, -4.9241, 39.4755

# Trichromacy



## Original Color

170.7400, 28.2292, 45.8320



## Protanomaly

166.8590, 37.5375, 0.1237



## Deuteranomaly

168.2700, 27.4749, 7.6562



## Tritanomaly

169.8000, 7.0006, 41.3944

# Monochromacy



## Original Color

170.7400, 28.2292, 45.8320



## Achromatopsia

171.0000, 0.0000, 0.0000



## Achromatomaly

170.8570, 10.4235, 16.7884

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 170.7400, 28.2292, 45.8320 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(223, 133, 228)` looks like.

```
.text, #text, p{  
    color:rgb(223, 133, 228)  
}
```

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(223, 133, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 133, 228) }
```

## Border

The CSS property to change the border of an element to YUV 170.7400, 28.2292, 45.8320 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(223, 133, 228) }
```



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

```
.border{ border-color:rgb(223, 133, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 133, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 133, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 133, 228); box-shadow:4px 4px 4px 4px rgb(223, 133, 228) }
```

# Background

The CSS property to change the background color of an element to YUV 170.7400, 28.2292, 45.8320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 133, 228) }
```

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

```
.background{ background-color: rgb(223,  
133, 228) }
```

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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