

# Converting Colors

YUV(166.2780, 25.4989,  
34.8362)

Have a look what the booklet for  
YUV(166.2780, 25.4989, 34.8362)  
contains.

<b>YUV(166.2780, 25.4989, 34.8362)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(166.2780, 25.4989,  
34.8362)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CE88DA
RGB	206, 136, 218
RGB Percent	81%, 53%, 85%
CMY	0.1922, 0.4667, 0.1451
CMYK	0.06, 0.38, 0.00, 0.15
HSL	291°, 53%, 69%
HSV	291°, 38%, 85%
XYZ	46.9126, 35.7921, 70.7657
YIQ	166.2780, 15.3980, 40.3420

# Conversions

## Conversions Part 2

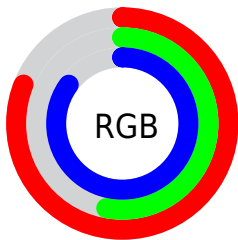
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 136, 218
Decimal	13535450
CIE Lab	66.36, 40.14, -31.24
CIE LCh	66, 50.863, 322.107
Yxy	35.7921, 0.3057, 0.2332
Android (android.graphics.Color)	4291725530 (0xFFCE88DA)
YUV	166.2780, 25.4989, 34.8362
Hunter-Lab	59.8265, 35.2735, -28.2525

# Details

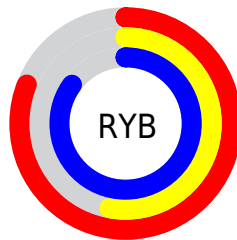
The YUV color **166.2780, 25.4989, 34.8362** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **187.7220, -25.4989, -34.8362**, and the grayscale version is **166.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **216.8450, 18.8104, 33.4619**, and **112.7400, 24.7782, 32.6770** is the 20% darker color. If you saturate the color by 10%, you get **152.4670, 32.3078, 44.3174**, and if you desaturate by 10%, it is **180.0890, 18.6901, 25.3549**.

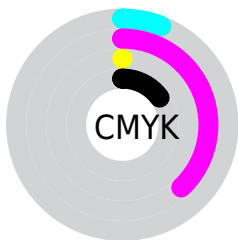
# Distribution



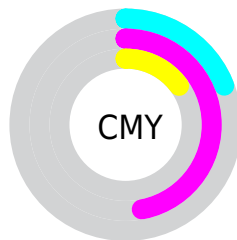
- Red (81%)
- Green (53%)
- Blue (85%)



- Red (81%)
- Yellow (53%)
- Blue (85%)



- Cyan (6%)
- Magenta (38%)
- Yellow (0%)
- Black (15%)



- Cyan (19%)
- Magenta (47%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 166.2780, 25.4989, 34.8362 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 166.2780, 25.4989, 34.8362 by changing the saturation by 10% instead.



166.2780, 25.4989,  
34.8362

166.2780, 25.4989,  
34.8362

255.0000, 0.0000,  
0.0000

139.4520, 24.9202,  
33.8066

216.8450, 18.8104,  
33.4619

112.7400, 24.7782,  
32.6770

233.8680, 10.4181,  
18.5328

86.9140, 24.1994,  
31.6474

250.8910, 2.0257,  
3.6036

61.6150, 24.3468,  
31.0326

34.8540, 25.2150,  
32.5770

21.1210, 20.1533,  
22.6959

12.0350, 13.7867,

11.3703

■ 2.5250, 7.1362,  
-2.2144

■ 0.0000, 0.0000,  
0.0000

■ 166.2780, 25.4989,  
34.8362

■ 166.2780, 25.4989,  
34.8362

■ 152.4670, 32.3078,  
44.3174

■ 180.0890, 18.6901,  
25.3549

■ 138.6560, 39.1166,  
53.7987

■ 193.9000, 11.8813,  
15.8737

■ 125.1330, 45.7834,  
62.1504

■ 207.4230, 5.2145,  
7.5220

■ 111.3220, 52.5923,  
71.6316

■ 221.2340, -1.5944,  
-1.9592

■ 97.5110, 59.4011,  
81.1129

■ 235.0450, -8.4032,  
-11.4405

■ 83.7000, 66.2099,  
90.5941

■ 241.8120,  
-11.7393, -14.7441

■ 80.4660, 67.8043,  
92.5533

■ 242.7090,  
-12.1815, -12.8998

■ 243.9050,  
-12.7712, -10.4407

■ 244.8020,  
-13.2134, -8.5964

# Harmonies

## Analogous

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



161.7970, 41.5121, -14.7310



166.2780, 25.4989, 34.8362



163.6120, 5.6143, 66.1153

# Triad

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



166.2780, 25.4989, 34.8362



157.9390, -44.3399, 35.1335



130.1240, 31.4909, -114.1187

# Complementary

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



166.2780, 25.4989, 34.8362



187.7220, -25.4989, -34.8362

# 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.



124.7660, 10.9614, -109.4198



166.2780, 25.4989, 34.8362



153.5710, -39.7215, 0.3762

# Square

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



166.2780, 25.4989, 34.8362



160.4490, -34.2384, 61.8732



146.7150, -21.5515, -40.9691



132.1080, 49.2468, -115.8587



# Rectangle

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



166.2780, 25.4989, 34.8362



161.8830, -8.8163, 74.6476



146.7150, -21.5515, -40.9691



128.4140, 24.9389, -112.6191

# Sweetspot

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



166.2780, 25.4989, 34.8362



237.3680, 8.6926, 11.9553



152.3920, 32.3447, -14.3758



117.1240, 5.3619, 6.9073



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.



166.2780, 25.4989, 34.8362



182.4120, 35.7859, 48.7507



166.5600, 11.0629, 45.1129



102.9450, 3.4781, 4.4332



63.9740, 53.7498, 73.6908



16.9050, 14.3438, 19.3773



# Inverse Universe

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



161.8860, -6.8458, 49.2120



176.3230, -9.5262, 68.9997



187.4400, -11.0629, -45.1129



102.4030, -1.1847, 6.6626



54.5770, -14.5815, 103.8570

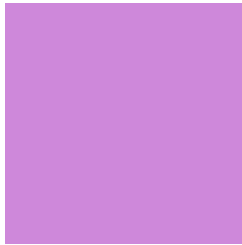


14.5520, -3.7231, 27.5799



# Previews

## White Background



This preview shows how the YUV color 166.2780, 25.4989, 34.8362 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

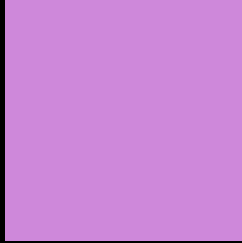
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 166.2780, 25.4989, 34.8362 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

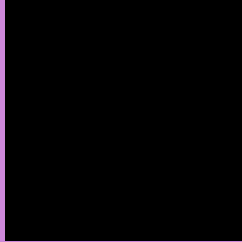
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 166.2780, 25.4989, 34.8362

## Background



This preview shows how black text looks on a background with the YUV color 166.2780, 25.4989, 34.8362.



This preview shows how white text looks on a background with the YUV color 166.2780, 25.4989, 34.8362.



# 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

166.2780, 25.4989, 34.8362

### Protanopia

160.9010, 37.0238, -21.8382

### Deuteranopia

162.2800, 25.4980, -11.6466



## Tritanopia

164.3180, -2.1288, 29.5391

# Trichromacy



## Original Color

166.2780, 25.4989, 34.8362



## Protanomaly

162.8820, 32.5962, -1.6505



## Deuteranomaly

163.9770, 25.1543, 5.2822



## Tritanomaly

165.2610, 7.7593, 31.3431

# Monochromacy



## Original Color

166.2780, 25.4989, 34.8362



## Achromatopsia

166.0000, 0.0000, 0.0000



## Achromatomaly

166.1940, 9.2714, 12.9849

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 166.2780, 25.4989, 34.8362 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(206, 136, 218)` looks like.

```
.text, #text, p{  
    color:rgb(206, 136, 218)  
}
```

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(206, 136, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 136, 218) }
```

## Border

The CSS property to change the border of an element to YUV 166.2780, 25.4989, 34.8362 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(206, 136, 218) }
```



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

```
.border{ border-color:rgb(206, 136, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 136, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 136, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 136, 218);  
box-shadow:4px 4px 4px 4px rgb(206, 136,  
218) }
```

# Background

The CSS property to change the background color of an element to YUV 166.2780, 25.4989, 34.8362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 136, 218) }
```

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

```
.background{ background-color: rgb(206,  
136, 218) }
```

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