

# Converting Colors

YUV(137.1500, 36.4080,  
35.8254)

Have a look what the booklet for  
YUV(137.1500, 36.4080, 35.8254)  
contains.

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# Color

**YUV(137.1500, 36.4080,  
35.8254)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B266D3
RGB	178, 102, 211
RGB Percent	70%, 40%, 83%
CMY	0.3020, 0.6000, 0.1725
CMYK	0.16, 0.52, 0.00, 0.17
HSL	282°, 55%, 61%
HSV	282°, 52%, 83%
XYZ	34.8693, 23.6709, 64.3591
YIQ	137.1500, 10.3070, 50.0110

# Conversions

## Conversions Part 2

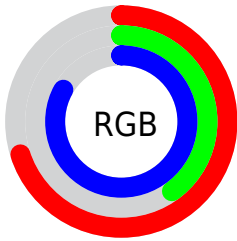
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">178, 102, 211</a>
Decimal	<a href="#">11691731</a>
CIELab	<a href="#">55.76, 48.64, -44.13</a>
CIELCh	<a href="#">56, 65.674, 317.784</a>
Yxy	<a href="#">23.6709, 0.2837, 0.1926</a>
Android (android.graphics.Color)	<a href="#">4289881811 (0xFFB266D3)</a>
YUV	<a href="#">137.1500, 36.4080, 35.8254</a>
Hunter-Lab	<a href="#">48.6527, 42.7885, -44.3735</a>

# Details

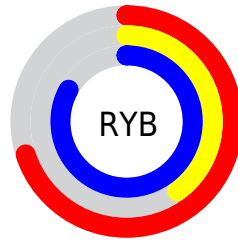
The YUV color  $137.1500, 36.4080, 35.8254$  is a light color, and the websafe version is hex  $9966CC$ . A complement of this color would be  $175.8500, -36.4080, -35.8254$ , and the grayscale version is  $137.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $190.6190, 31.7398, 39.7991$ , and  $83.9110, 35.5399, 34.2811$  is the 20% darker color. If you saturate the color by 10%, you get  $123.0290, 43.3697, 42.9476$ , and if you desaturate by 10%, it is  $151.2710, 29.4464, 28.7033$ .

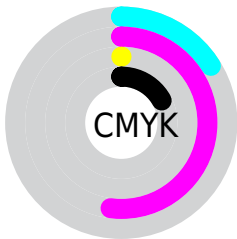
# Distribution



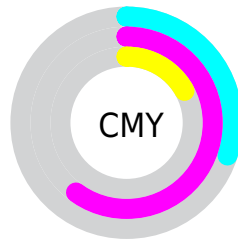
- Red (70%)
- Green (40%)
- Blue (83%)



- Red (70%)
- Yellow (40%)
- Blue (83%)



- Cyan (16%)
- Magenta (52%)
- Yellow (0%)
- Black (17%)




- Cyan (30%)
- Magenta (60%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 137.1500, 36.4080, 35.8254 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 137.1500, 36.4080, 35.8254 by changing the saturation by 10% instead.





 137.1500, 36.4080,  
35.8254


 137.1500, 36.4080,  
35.8254


255.0000, 0.0000,  
0.0000


 110.3240, 35.8293,  
34.7959


 190.6190, 31.7398,  
39.7991


 83.9110, 35.5399,  
34.2811


 212.7360, 20.8362,  
37.0655


 56.9110, 35.5399,  
34.2811

 229.1720, 12.7332,  
22.6512

 32.4870, 35.2559,  
32.0219

 246.1950, 4.3409,  
7.7220

 21.8630, 28.1685,  
18.5371

 11.6520, 21.3706,  
5.5672

 4.9360, 13.8356,

-4.3289

■ 0.6840, 2.6208,  
-0.5999

■ 0.0000, 0.0000,  
0.0000

■ 137.1500, 36.4080,  
35.8254

■ 137.1500, 36.4080,  
35.8254

■ 123.0290, 43.3697,  
42.9476

■ 151.2710, 29.4464,  
28.7033

■ 108.6090, 50.4788,  
49.4549

■ 165.6910, 22.3373,  
22.1960

■ 94.4880, 57.4404,  
56.5770

■ 179.8120, 15.3757,  
15.0739

■ 80.0680, 64.5495,  
63.0844

■ 194.2320, 8.2666,  
8.5665

68.0070, 70.4955,  
69.2769

208.9400, 1.0156,  
0.9296

223.0610, -5.9461,  
-6.1925

237.4810,  
-13.0551, -12.6998

242.2100,  
-15.3865, -11.5852

244.0040,  
-16.2710, -7.8965

# Harmonies

## Analogous

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



126.4590, 57.4547, -41.6215



137.1500, 36.4080, 35.8254



130.3010, 14.1486, 82.1740

# Triad

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



137.1500, 36.4080, 35.8254



126.0210, -62.1284, 47.3396



112.9580, 26.6427, -99.0642

# Complementary

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



137.1500, 36.4080, 35.8254



175.8500, -36.4080, -35.8254

# 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.



105.0580, 1.4504, -92.1359



137.1500, 36.4080, 35.8254



121.0390, -59.6722, 6.1048

# Square

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



137.1500, 36.4080, 35.8254



127.9950, -38.9445, 78.0574



111.9560, -30.5443, -49.9504



116.8970, 49.3508, -102.5187



# Rectangle

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



137.1500, 36.4080, 35.8254



126.6110, -2.7662, 94.1802



111.9560, -30.5443, -49.9504



110.6780, 17.9067, -97.0646

# Sweetspot

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



137.1500, 36.4080, 35.8254



229.1060, 12.7657, 12.1850



134.9710, 37.4823, -28.9156



112.4060, 7.6878, 7.5369



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.



137.1500, 36.4080, 35.8254



147.9020, 52.7993, 51.8289



144.7370, 22.8077, 58.1127



97.3470, 3.7729, 3.2037



54.1350, 56.1354, 55.1326



13.0460, 13.7813, 13.1147



# Inverse Universe

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



138.3530, -1.6530, 63.7114



149.7140, -2.3240, 92.3358



168.2630, -22.8077, -58.1127



97.6310, -0.3111, 6.4626



56.0460, -2.4877, 98.1837

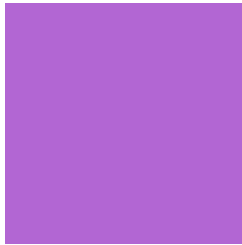


13.6270, -0.8021, 24.0061



# Previews

## White Background



This preview shows how the YUV color 137.1500, 36.4080, 35.8254 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

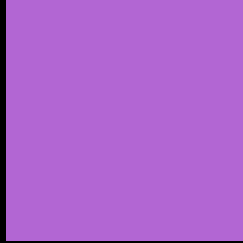
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 137.1500, 36.4080, 35.8254 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

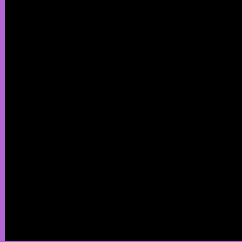
Any Text WCAG AA ✓ Pass

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 137.1500, 36.4080, 35.8254 Background



This preview shows how black text looks on a background with the YUV color 137.1500, 36.4080, 35.8254.



This preview shows how white text looks on a background with the YUV color 137.1500, 36.4080,

35.8254.

# 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

137.1500, 36.4080, 35.8254

### Protanopia

128.4440, 53.5181, -38.9774

### Deuteranopia

131.6290, 36.1719, -28.6156



## Tritanopia

136.1820, -2.5547, 26.1504

# Trichromacy



## Original Color

137.1500, 36.4080, 35.8254



## Protanomaly

131.7140, 47.4690, -12.0272



## Deuteranomaly

133.4840, 36.2434, -4.8095



## Tritanomaly

136.5750, 11.5485, 29.3137

# Monochromacy



## Original Color

137.1500, 36.4080, 35.8254



## Achromatopsia

137.0000, 0.0000, 0.0000



## Achromatomaly

136.9320, 13.3445, 13.2146

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 137.1500, 36.4080, 35.8254 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(178, 102, 211)` looks like.

```
.text, #text, p{  
    color:rgb(178, 102, 211)  
}
```

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(178, 102, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 102, 211) }
```

## Border

The CSS property to change the border of an element to YUV 137.1500, 36.4080, 35.8254 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(178, 102, 211) }
```



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

```
.border{ border-color:rgb(178, 102, 211) }
```

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

Here you see how a box with a 4 pixel rgb(178, 102, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 102, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 102, 211);  
box-shadow:4px 4px 4px 4px rgb(178, 102,  
211) }
```

# Background

The CSS property to change the background color of an element to YUV 137.1500, 36.4080, 35.8254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 102, 211) }
```

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

```
.background{ background-color: rgb(178,  
102, 211) }
```

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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