

# Converting Colors

YUV(137.8760, 41.9661,  
26.4187)

Have a look what the booklet for  
YUV(137.8760, 41.9661, 26.4187)  
contains.

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# Color

**YUV(137.8760, 41.9661,  
26.4187)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A86ADF
RGB	168, 106, 223
RGB Percent	66%, 42%, 87%
CMY	0.3412, 0.5843, 0.1255
CMYK	0.25, 0.52, 0.00, 0.13
HSL	272°, 65%, 65%
HSV	272°, 52%, 87%
XYZ	34.6218, 23.9606, 72.6121
YIQ	137.8760, -0.6050, 49.5310

# Conversions

## Conversions Part 2

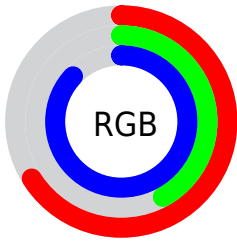
Format	Color
R <sub>Y</sub> B	168, 106, 223
Decimal	11037407
CIE Lab	56.05, 46.53, -50.51
CIE LCh	56, 68.680, 312.651
Yxy	23.9606, 0.2639, 0.1826
Android (android.graphics.Color)	4289227487 (0xFFA86ADF)
YUV	137.8760, 41.9661, 26.4187
Hunter-Lab	48.9496, 40.5903, -53.6865

# Details

The YUV color **137.8760, 41.9661, 26.4187** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **191.1240, -41.9661, -26.4187**, and the grayscale version is **137.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **189.9770, 32.0563, 31.5922**, and **85.1100, 40.3718, 24.4595** is the 20% darker color. If you saturate the color by 10%, you get **121.9720, 49.8068, 31.5966**, and if you desaturate by 10%, it is **153.7800, 34.1255, 21.2409**.

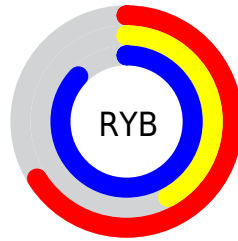
# Distribution



Red (66%)

Green (42%)

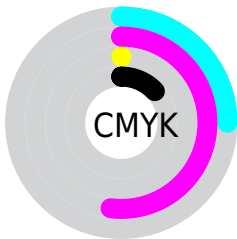
Blue (87%)



Red (66%)

Yellow (42%)

Blue (87%)

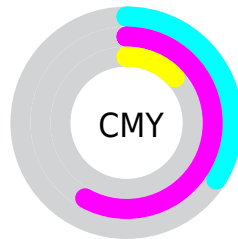


Cyan (25%)

Magenta (52%)

Yellow (0%)

Black (13%)



Cyan (34%)

Magenta (58%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 137.8760, 41.9661, 26.4187 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 137.8760, 41.9661, 26.4187 by changing the saturation by 10% instead.



■ 137.8760, 41.9661,  
26.4187

■ 137.8760, 41.9661,  
26.4187

■ 255.0000, 0.0000,  
0.0000

■ 111.0500, 41.3873,  
25.3892

■ 189.9770, 32.0563,  
31.5922

■ 85.1100, 40.3718,  
24.4595

■ 215.0840, 19.6786,  
35.0063

■ 58.9850, 39.9404,  
22.8152

■ 231.5200, 11.5756,  
20.5920

■ 30.3380, 41.2454,  
24.2596

■ 248.5430, 3.1833,  
5.6628

■ 18.8170, 34.6002,  
8.9305

■ 7.4100, 28.3919,  
-6.4986

■ 6.5490, 17.4773,

-5.7435

■ 2.8670, 8.4466,  
-2.5144

■ 0.0000, 0.0000,  
0.0000

■ 137.8760, 41.9661,  
26.4187

■ 137.8760, 41.9661,  
26.4187

■ 121.9720, 49.8068,  
31.5966

■ 153.7800, 34.1255,  
21.2409

■ 105.1820, 58.0843,  
36.6744

■ 170.5700, 25.8480,  
16.1631

■ 89.2780, 65.9249,  
41.8522

■ 186.4740, 18.0073,  
10.9853

■ 73.0750, 73.9130,  
46.4152

■ 202.6770, 10.0192,  
6.4223

60.7040, 80.0119,  
50.2486

219.1680, 1.8892,  
0.7297

235.3710, -6.0989,  
-3.8334

247.1660,  
-11.9138, -5.4076

250.4550,  
-13.5353, 1.3550

251.3520,  
-13.9775, 3.1993

# Harmonies

## Analogous

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



113.0780, 68.4885, -80.7524



137.8760, 41.9661, 26.4187



131.3700, 19.5376, 80.3595

# Triad

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



137.8760, 41.9661, 26.4187



126.3640, -62.2975, 54.9318



112.6330, 22.8589, -98.7791

# Complementary

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



137.8760, 41.9661, 26.4187



191.1240, -41.9661, -26.4187

# 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.



104.2770, -4.0806, -91.4509



137.8760, 41.9661, 26.4187



123.4420, -60.8569, 12.7674

# Square

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



137.8760, 41.9661, 26.4187



127.2610, -35.6247, 86.5941



113.5460, -38.7232, -39.9438



117.7290, 47.4616, -103.2483



# Rectangle

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



137.8760, 41.9661, 26.4187



126.1260, 2.8959, 98.1135



113.5460, -38.7232, -39.9438



110.2390, 13.6862, -96.6796

# Sweetspot

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



137.8760, 41.9661, 26.4187



225.2520, 14.6658, 9.4260



152.7970, 34.6101, -41.0410



109.7370, 9.0037, 5.4927



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.



137.8760, 41.9661, 26.4187



137.7690, 57.7949, 36.1596



154.0930, 32.9852, 60.4314



104.0480, 3.9203, 2.5889



47.8710, 63.1676, 39.5781



13.2460, 17.1337, 11.1853



# Inverse Universe

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



147.2530, 6.7773, 66.4301



150.8030, 9.4641, 91.3808



174.9070, -32.9852, -60.4314



104.8590, 0.5625, 6.2627



62.0860, 10.3106, 99.9026

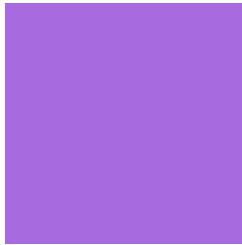


16.9740, 2.9708, 27.2098



# Previews

## White Background



This preview shows how the YUV color 137.8760, 41.9661, 26.4187 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 137.8760, 41.9661, 26.4187 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

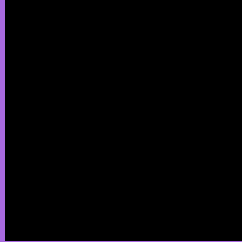
Any Text WCAG AA ✓ Pass

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 137.8760, 41.9661, 26.4187 Background



This preview shows how black text looks on a background with the YUV color 137.8760, 41.9661, 26.4187.



This preview shows how white text looks on a background with the YUV color 137.8760, 41.9661, 26.4187.



# 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

137.8760, 41.9661, 26.4187

### Protanopia

127.7790, 58.7760, -45.4102

### Deuteranopia

129.3980, 43.1878, -38.9370



## Tritanopia

135.9140, 0.5354, 14.9844

# Trichromacy



## Original Color

137.8760, 41.9661, 26.4187



## Protanomaly

131.3370, 52.5849, -19.5895



## Deuteranomaly

132.1390, 42.8225, -15.0309



## Tritanomaly

136.2470, 15.6542, 19.0774

# Monochromacy



## Original Color

137.8760, 41.9661, 26.4187



## Achromatopsia

138.0000, 0.0000, 0.0000



## Achromatomaly

137.7790, 15.3920, 9.8408

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 137.8760, 41.9661, 26.4187 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(168, 106, 223)` looks like.

```
.text, #text, p{  
    color:rgb(168, 106, 223)  
}
```

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(168, 106, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 106, 223) }
```

## Border

The CSS property to change the border of an element to YUV 137.8760, 41.9661, 26.4187 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(168, 106, 223) }
```



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

```
.border{ border-color:rgb(168, 106, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 106, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 106, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 106, 223);  
box-shadow:4px 4px 4px 4px rgb(168, 106,  
223) }
```

# Background

The CSS property to change the background color of an element to YUV 137.8760, 41.9661, 26.4187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 106, 223) }
```

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

```
.background{ background-color: rgb(168,  
106, 223) }
```

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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