

# Converting Colors

YUV(138.7030, 20.8524,  
31.8325)

Have a look what the booklet for  
YUV(138.7030, 20.8524, 31.8325)  
contains.

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# Color

**YUV(138.7030, 20.8524,  
31.8325)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AF70B5
RGB	175, 112, 181
RGB Percent	69%, 44%, 71%
CMY	0.3137, 0.5608, 0.2902
CMYK	0.03, 0.38, 0.00, 0.29
HSL	295°, 32%, 57%
HSV	295°, 38%, 71%
XYZ	31.8139, 24.0385, 46.6792
YIQ	138.7030, 15.3990, 34.8150

# Conversions

## Conversions Part 2

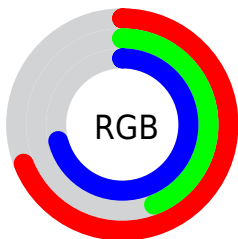
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	175, 112, 181
Decimal	11497653
CIE <sub>Lab</sub>	56.13, 36.27, -26.45
CIE <sub>LCh</sub>	56, 44.890, 323.899
Yxy	24.0385, 0.3103, 0.2344
Android (android.graphics.Color)	4289687733 (0xFFAF70B5)
YUV	138.7030, 20.8524, 31.8325
Hunter-Lab	49.0291, 30.0237, -22.1280

# Details

The YUV color **138.7030, 20.8524, 31.8325** is a light color, and the websafe version is hex **996699**. A complement of this color would be **154.2970, -20.8524, -31.8325**, and the grayscale version is **138.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **193.2410, 21.5732, 33.9916**, and **87.1650, 20.1317, 29.6733** is the 20% darker color. If you saturate the color by 10%, you get **127.5390, 26.3563, 39.8693**, and if you desaturate by 10%, it is **149.8670, 15.3486, 23.7956**.

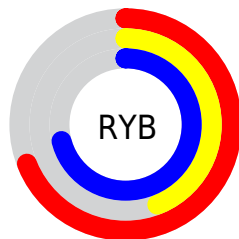
# Distribution



Red (69%)

Green (44%)

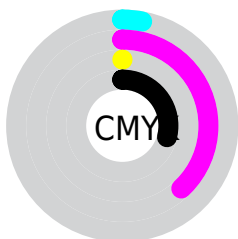
Blue (71%)



Red (69%)

Yellow (44%)

Blue (71%)

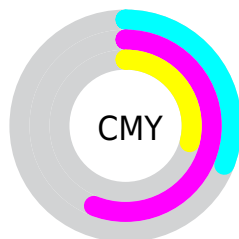


Cyan (3%)

Magenta (38%)

Yellow (0%)

Black (29%)



Cyan (31%)

Magenta (56%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 138.7030, 20.8524, 31.8325 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 138.7030, 20.8524, 31.8325 by changing the saturation by 10% instead.





 138.7030, 20.8524,  
31.8325


 138.7030, 20.8524,  
31.8325


255.0000, 0.0000,  
0.0000

 112.8770, 20.2736,  
30.8029


 193.2410, 21.5732,  
33.9916


 87.1650, 20.1317,  
29.6733


 218.0190, 18.2316,  
32.4323


 62.4530, 19.9897,  
28.5437

 235.0420, 9.8393,  
17.5032

 36.8660, 20.2791,  
29.0585

 252.0650, 1.4470,  
2.5740

 20.0240, 17.2432,  
22.7810

 10.3400, 11.1714,  
10.2258

 0.6840, 2.6208,

-0.5999

■ 0.0000, 0.0000,  
0.0000

■ 138.7030, 20.8524,  
31.8325

■ 138.7030, 20.8524,  
31.8325

■ 127.5390, 26.3563,  
39.8693

■ 149.8670, 15.3486,  
23.7956

■ 116.6740, 31.7127,  
48.5209

■ 160.7320, 9.9921,  
15.1440

■ 105.5100, 37.2166,  
56.5577

■ 171.8960, 4.4883,  
7.1072

■ 94.6450, 42.5730,  
65.2093

■ 182.7610, -0.8682,  
-1.5444

■ 82.8940, 48.3663,  
73.7610

■ 194.5120, -6.6614,  
-10.0960

72.0290, 53.7227,  
82.4126

205.3770,  
-12.0179, -18.7476

69.9690, 54.7383,  
83.3422

216.5410,  
-17.5217, -26.7845

226.5310,  
-22.4468, -33.7917

226.8300,  
-22.5942, -33.1769

# Harmonies

## Analogous

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



135.1090, 34.9493, -9.7426



138.7030, 20.8524, 31.8325



136.6880, 3.6048, 57.2786

# Triad

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



138.7030, 20.8524, 31.8325



131.5020, -38.2085, 28.5007



109.2080, 27.5055, -95.7754

# Complementary

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



138.7030, 20.8524, 31.8325



154.2970, -20.8524, -31.8325

# 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.



104.6480, 10.0335, -91.7763



138.7030, 20.8524, 31.8325



127.8680, -33.4589, -1.6382

# Square

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



138.7030, 20.8524, 31.8325



133.1210, -30.1327, 51.6369



121.2900, -16.9050, -37.9653



110.5080, 42.6406, -96.9155



# Rectangle

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



138.7030, 20.8524, 31.8325



134.9310, -8.3470, 64.0815



121.2900, -16.9050, -37.9653



107.7260, 21.8271, -94.4757

# Sweetspot

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



138.7030, 20.8524, 31.8325



218.8410, 7.9664, 11.5404



123.9750, 28.1133, -10.5021



107.8960, 4.4883, 7.1072



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



138.7030, 20.8524, 31.8325



168.6140, 32.7283, 49.4505



137.3050, 7.7376, 38.3205



83.4180, 2.7519, 4.0184



59.3020, 46.1931, 70.7721



9.8410, 7.9664, 11.5404



# Inverse Universe

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



133.3150, -7.5503, 41.8197



160.3180, -11.9888, 65.4961



155.6950, -7.7376, -38.3205



82.8050, -0.8899, 5.4330



47.2290, -16.8749, 92.7612



8.0020, -2.9590, 15.7842



# Previews

## White Background



This preview shows how the YUV color 138.7030, 20.8524, 31.8325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

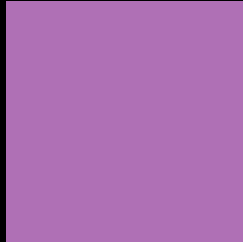
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 138.7030, 20.8524, 31.8325 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

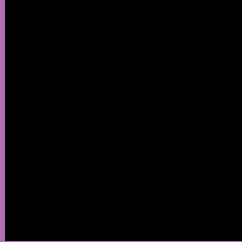
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 138.7030, 20.8524, 31.8325

## Background



This preview shows how black text looks on a background with the YUV color 138.7030, 20.8524, 31.8325.



This preview shows how white text looks on a background with the YUV color 138.7030, 20.8524, 31.8325.



# 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

138.7030, 20.8524, 31.8325

### Protanopia

134.6150, 30.7558, -18.0794

### Deuteranopia

135.6240, 20.3984, -9.3172



## Tritanopia

136.8940, -2.4127, 27.2800

# Trichromacy



## Original Color

138.7030, 20.8524, 31.8325

## Protanomaly

135.8130, 27.2072, 0.1640

## Deuteranomaly

136.4240, 20.4970, 5.7672

## Tritanomaly

137.4950, 6.1650, 29.3839

# Monochromacy



## Original Color

138.7030, 20.8524, 31.8325

## Achromatopsia

139.0000, 0.0000, 0.0000

## Achromatomaly

138.7270, 7.5296, 11.6404

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 138.7030, 20.8524, 31.8325 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(175, 112, 181)` looks like.

```
.text, #text, p{  
    color:rgb(175, 112, 181)  
}
```

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(175, 112, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 112, 181) }
```

## Border

The CSS property to change the border of an element to YUV 138.7030, 20.8524, 31.8325 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(175, 112, 181) }
```



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

```
.border{ border-color:rgb(175, 112, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 112, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 112, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 112, 181);  
box-shadow:4px 4px 4px 4px rgb(175, 112,  
181) }
```

# Background

The CSS property to change the background color of an element to YUV 138.7030, 20.8524, 31.8325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 112, 181) }
```

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

```
.background{ background-color: rgb(175,  
112, 181) }
```

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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