

# Converting Colors

YUV(188.1520, 19.6451,  
-1.0103)

Have a look what the booklet for  
YUV(188.1520, 19.6451, -1.0103)  
contains.

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# Color

**YUV(188.1520, 19.6451,  
-1.0103)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBB5E4
RGB	187, 181, 228
RGB Percent	73%, 71%, 89%
CMY	0.2667, 0.2902, 0.1059
CMYK	0.18, 0.21, 0.00, 0.11
HSL	248°, 47%, 80%
HSV	248°, 21%, 89%
XYZ	51.0210, 49.2140, 80.2089
YIQ	188.1520, -11.5110, 15.8890

# Conversions

## Conversions Part 2

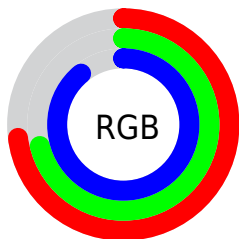
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	187, 181, 228
Decimal	12301796
CIE Lab	75.58, 11.60, -22.72
CIE LCh	76, 25.512, 297.036
Yxy	49.2140, 0.2828, 0.2727
Android (android.graphics.Color)	4290491876 (0xFFBBB5E4)
YUV	188.1520, 19.6451, -1.0103
Hunter-Lab	70.1527, 7.0532, -18.6822

# Details

The YUV color  $188.1520, 19.6451, -1.0103$  is a light color, and the websafe version is hex  $CCCCFF$ . A complement of this color would be  $220.8480, -19.6451, 1.0103$ , and the grayscale version is  $188.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $241.1450, 6.8305, 2.5038$ , and  $134.5110, 18.4821, -1.3251$  is the 20% darker color. If you saturate the color by 10%, you get  $168.6710, 29.2492, -1.4655$ , and if you desaturate by 10%, it is  $207.6330, 10.0409, -0.5551$ .

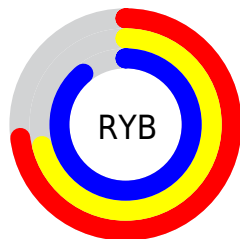
# Distribution



Red (73%)

Green (71%)

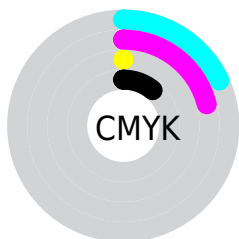
Blue (89%)



Red (73%)

Yellow (71%)

Blue (89%)

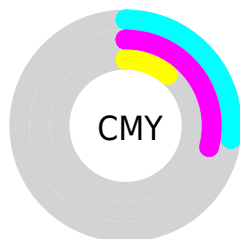


Cyan (18%)

Magenta (21%)

Yellow (0%)

Black (11%)



Cyan (27%)

Magenta (29%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 188.1520, 19.6451, -1.0103 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 188.1520, 19.6451, -1.0103 by changing the saturation by 10% instead.



■ 188.1520, 19.6451,  
-1.0103

■ 188.1520, 19.6451,  
-1.0103

255.0000, 0.0000,  
0.0000

■ 161.0380, 19.2083,  
-0.9103

■ 241.1450, 6.8305,  
2.5038

■ 134.5110, 18.4821,  
-1.3251

■ 109.3970, 18.0453,  
-1.2252

■ 84.8700, 17.3191,  
-1.6400

■ 61.3430, 16.5929,  
-2.0548

■ 39.4030, 15.5773,  
-2.9844

■ 17.6910, 15.4353,

-4.1140

■ 3.6650, 11.5042,  
-3.2142

■ 0.0000, 0.0000,  
0.0000

■ 188.1520, 19.6451,  
-1.0103

■ 188.1520, 19.6451,  
-1.0103

■ 168.6710, 29.2492,  
-1.4655

■ 207.6330, 10.0409,  
-0.5551

■ 149.1900, 38.8533,  
-1.9206

■ 227.1140, 0.4368,  
-0.1000

■ 130.2960, 48.1681,  
-2.8906

■ 246.0080, -8.8779,  
0.8700

■ 110.8150, 57.7722,  
-3.3458

■ 251.9220,  
-11.7935, 2.6994

■ 91.6330, 67.2289,  
-3.1861

■ 72.1520, 76.8331,  
-3.6413

■ 52.6710, 86.4372,  
-4.0965

■ 34.6630, 95.3151,  
-4.9665

# Harmonies

## Analogous

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



183.8500, 24.2309, -25.3015



188.1520, 19.6451, -1.0103



190.2920, 10.7020, 20.7919

# Triad

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



188.1520, 19.6451, -1.0103



187.4590, -19.4533, 32.9235



176.5450, 3.1823, -40.8200

# Complementary

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



188.1520, 19.6451, -1.0103



220.8480, -19.6451, 1.0103

# 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.



179.9250, -9.8230, -22.7362



188.1520, 19.6451, -1.0103



185.4480, -22.8989, 18.0241

# Square

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



188.1520, 19.6451, -1.0103



189.2670, -11.4706, 39.2308



182.6520, -19.0554, -1.4488



175.6930, 15.4344, -50.5968



# Rectangle

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



188.1520, 19.6451, -1.0103



190.1210, 3.3913, 32.3429



182.6520, -19.0554, -1.4488



177.7260, -1.3439, -35.7167

# Sweetspot

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



188.1520, 19.6451, -1.0103



242.3080, 6.2572, -0.2701



211.0120, 8.3751, -26.3205



120.3250, 3.7838, -0.2850



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.



188.1520, 19.6451, -1.0103



200.6880, 26.7758, -1.4804



195.0290, 16.2547, 13.1296



104.9660, 4.9468, 0.0298



27.2830, 74.7965, -3.7562



7.9070, 21.2448, -0.7954



# Inverse Universe

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



199.7270, 10.9806, 24.7954



216.5200, 15.0266, 33.7470



213.9710, -16.2547, -13.1296



107.7280, 2.5991, 6.3775



71.3050, 41.7546, 94.4485



20.2650, 11.7014, 26.9546



# Previews

## White Background



This preview shows how the YUV color 188.1520, 19.6451, -1.0103 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

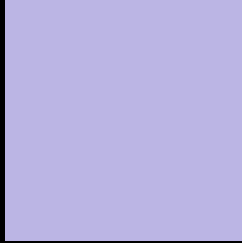
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 188.1520, 19.6451, -1.0103 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

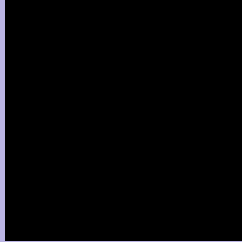
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 188.1520, 19.6451, -1.0103

## Background



This preview shows how black text looks on a background with the YUV color 188.1520, 19.6451, -1.0103.



This preview shows how white text looks on a background with the YUV color 188.1520, 19.6451, -1.0103.

-1.0103.

# 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

188.1520, 19.6451, -1.0103

### Protanopia

186.5530, 21.4194, -10.1320

### Deuteranopia

187.5430, 19.9453, -3.9842



## Tritanopia

186.5140, 7.1416, -3.9588

# Trichromacy



## Original Color

188.1520, 19.6451, -1.0103

## Protanomaly

187.0480, 20.6823, -7.0581

## Deuteranomaly

187.8420, 19.7979, -3.3694

## Tritanomaly

187.0780, 11.7935, -2.6994

# Monochromacy



## Original Color

188.1520, 19.6451, -1.0103

## Achromatopsia

188.0000, 0.0000, 0.0000

## Achromatomaly

187.9490, 7.4201, 0.0447

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 188.1520, 19.6451, -1.0103 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(187, 181, 228)` looks like.

```
.text, #text, p{  
    color:rgb(187, 181, 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(187, 181, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 181, 228) }
```

## Border

The CSS property to change the border of an element to YUV 188.1520, 19.6451, -1.0103 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".

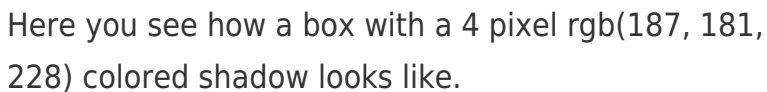
```
.border, #border, table{ border:4px solid rgb(187, 181, 228) }
```



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

```
.border{ border-color:rgb(187, 181, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 181, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 181, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 181, 228); box-shadow:4px 4px 4px 4px rgb(187, 181, 228) }
```

# Background

The CSS property to change the background color of an element to YUV 188.1520, 19.6451, -1.0103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 181, 228) }
```

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

```
.background{ background-color: rgb(187,  
181, 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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