

# Converting Colors

YUV(80.9420, 18.2696, 20.2219)

Have a look what the booklet for  
YUV(80.9420, 18.2696, 20.2219)  
contains.

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# Color

**YUV(80.9420, 18.2696,  
20.2219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	683E76
RGB	104, 62, 118
RGB Percent	41%, 24%, 46%
CMY	0.5922, 0.7569, 0.5373
CMYK	0.12, 0.47, 0.00, 0.54
HSL	285°, 31%, 35%
HSV	285°, 47%, 46%
XYZ	10.7016, 7.6963, 18.0610
YIQ	80.9420, 7.0560, 26.3200

# Conversions

## Conversions Part 2

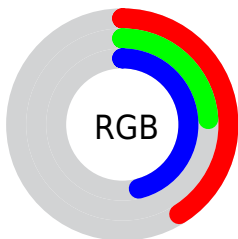
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 62, 118
Decimal	6831734
CIE <sub>Lab</sub>	33.34, 28.76, -24.82
CIE <sub>LCh</sub>	33, 37.984, 319.205
Yxy	7.6963, 0.2935, 0.2111
Android (android.graphics.Color)	4285021814 (0xFF683E76)
YUV	80.9420, 18.2696, 20.2219
Hunter-Lab	27.7422, 20.3074, -19.1801

# Details

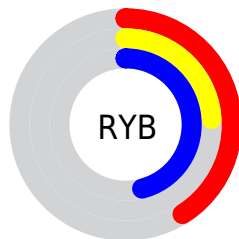
The YUV color **80.9420, 18.2696, 20.2219** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **99.0580, -18.2696, -20.2219**, and the grayscale version is **81.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **131.1810, 19.1378, 21.7663**, and **33.7030, 17.4014, 18.6775** is the 20% darker color. If you saturate the color by 10%, you get **73.0010, 22.1845, 24.5551**, and if you desaturate by 10%, it is **88.8830, 14.3547, 15.8886**.

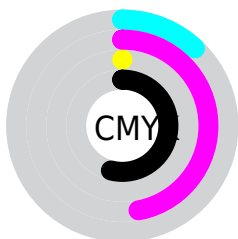
# Distribution



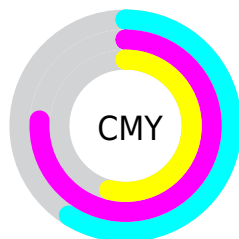
- Red (41%)
- Green (24%)
- Blue (46%)



- Red (41%)
- Yellow (24%)
- Blue (46%)



- Cyan (12%)
- Magenta (47%)
- Yellow (0%)
- Black (54%)



- Cyan (59%)
- Magenta (76%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 80.9420, 18.2696, 20.2219 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 80.9420, 18.2696, 20.2219 by changing the saturation by 10% instead.



80.9420, 18.2696,  
20.2219

80.9420, 18.2696,  
20.2219

255.0000, 0.0000,  
0.0000

57.1160, 17.6908,  
19.1923

131.1810, 19.1378,  
21.7663

33.7030, 17.4014,  
18.6775

158.0070, 19.7165,  
22.7959

15.5240, 15.5177,  
16.2035

184.8330, 20.2953,  
23.8255

3.4370, 10.6306,  
-3.0142

212.3600, 21.0215,  
24.2403

0.0000, 0.0000,  
0.0000

233.2810, 10.7075,  
19.0476

250.3040, 2.3151,

4.1184

■ 80.9420, 18.2696,  
20.2219

■ 80.9420, 18.2696,  
20.2219

■ 73.0010, 22.1845,  
24.5551

■ 88.8830, 14.3547,  
15.8886

■ 65.0600, 26.0994,  
28.8884

■ 96.8240, 10.4398,  
11.5554

■ 57.7060, 29.7249,  
32.7068

■ 104.1780, 6.8142,  
7.7369

■ 49.7650, 33.6399,  
37.0401

■ 112.1190, 2.8993,  
3.4036

■ 41.8240, 37.5548,  
41.3734

■ 120.0600, -1.0156,  
-0.9296

■ 40.0630, 38.4229,  
42.9177

■ 128.0010, -4.9305,  
-5.2629

■ 135.9420, -8.8454,  
-9.5961

■ 143.2960,  
-12.4709, -13.4146

■ 151.2370,  
-16.3858, -17.7478

# Harmonies

## Analogous

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



76.7570, 28.7138, -16.4499



80.9420, 18.2696, 20.2219



78.2840, 6.2690, 42.7239

# Triad

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



80.9420, 18.2696, 20.2219



75.2440, -30.1933, 24.3420



65.6490, 15.4560, -57.5742

# Complementary

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



80.9420, 18.2696, 20.2219



99.0580, -18.2696, -20.2219

# 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.



61.5280, 2.2047, -53.9601



80.9420, 18.2696, 20.2219



72.8560, -28.5230, 1.8803

# Square

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



80.9420, 18.2696, 20.2219



76.4600, -20.9328, 40.8156



68.1220, -15.3431, -25.5400



67.4390, 27.3916, -59.1440



# Rectangle

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



80.9420, 18.2696, 20.2219



77.0970, -3.4988, 49.0269



68.1220, -15.3431, -25.5400



64.5090, 11.0881, -56.5744

# Sweetspot

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



80.9420, 18.2696, 20.2219



139.1780, 6.8142, 7.7369



76.6020, 20.4092, -12.8060



67.5860, 4.6411, 4.7481



204.0000, 0.0000, 0.0000



77.0000, 0.0000, 0.0000



# Same Dimension

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



80.9420, 18.2696, 20.2219



95.3530, 28.4200, 31.2624



83.5320, 10.0907, 30.2284



54.8800, 2.0312, 1.8592



41.4160, 39.7279, 44.3622



84.4130, 81.6344, 89.9688



# Inverse Universe

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



80.3400, -2.1396, 33.0278



94.5210, -3.2149, 51.2861



96.4680, -10.0907, -30.2284



54.9080, -0.4476, 3.5887



40.0120, -4.4429, 71.9035

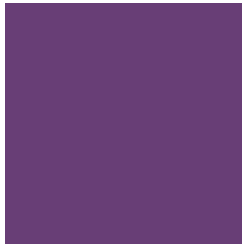


81.8180, -9.7703, 147.4956



# Previews

## White Background



This preview shows how the YUV color 80.9420, 18.2696, 20.2219 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

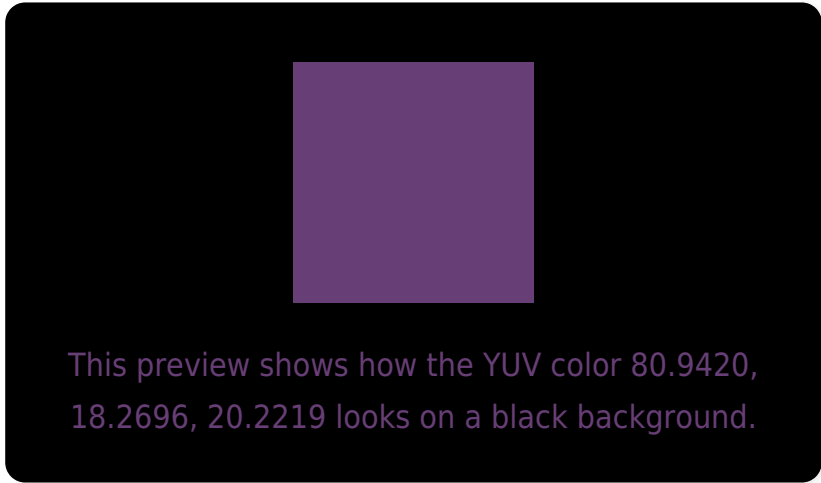
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

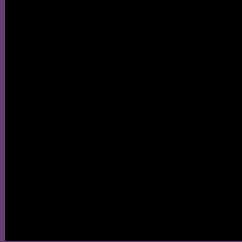
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 80.9420, 18.2696, 20.2219

## Background



This preview shows how black text looks on a background with the YUV color 80.9420, 18.2696, 20.2219.



This preview shows how white text looks on a background with the YUV color 80.9420, 18.2696,



# 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

80.9420, 18.2696, 20.2219

### Protanopia

77.1760, 26.5352, -17.6944

### Deuteranopia

78.0320, 18.2252, -12.3061



## Tritanopia

80.3440, -1.6486, 15.4843

# Trichromacy



## Original Color

80.9420, 18.2696, 20.2219

## Protanomaly

78.7540, 23.2923, -4.1693

## Deuteranomaly

79.1090, 18.1873, -0.0956

## Tritanomaly

80.3040, 5.7661, 17.2734

# Monochromacy



## Original Color

80.9420, 18.2696, 20.2219

## Achromatopsia

81.0000, 0.0000, 0.0000

## Achromatomaly

80.7650, 6.5249, 7.2221

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 80.9420, 18.2696, 20.2219 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(104, 62, 118)` looks like.

```
.text, #text, p{  
    color:rgb(104, 62, 118)  
}
```

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(104, 62, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 62, 118) }
```

## Border

The CSS property to change the border of an element to YUV 80.9420, 18.2696, 20.2219 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(104, 62, 118) }
```



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

```
.border{ border-color:rgb(104, 62, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 62, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 62, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 62, 118);  
box-shadow:4px 4px 4px 4px rgb(104, 62,  
118) }
```

# Background

The CSS property to change the background color of an element to YUV 80.9420, 18.2696, 20.2219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 62, 118) }
```

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

```
.background{ background-color: rgb(104, 62,  
118) }
```

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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