

Converting Colors

YUV(79.8620, 12.8860, 20.2920)

Have a look what the booklet for
YUV(79.8620, 12.8860, 20.2920)
contains.

YUV(79.8620, 12.8860, 20.2920)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(79.8620, 12.8860,
20.2920)**

Conversions

Conversions Part 1

Format	Color
Hex	673F6A
RGB	103, 63, 106
RGB Percent	40%, 25%, 42%
CMY	0.5961, 0.7529, 0.5843
CMYK	0.03, 0.41, 0.00, 0.58
HSL	296°, 25%, 33%
HSV	296°, 41%, 42%
XYZ	9.9725, 7.4792, 14.5537
YIQ	79.8620, 10.0370, 21.8530

Conversions

Conversions Part 2

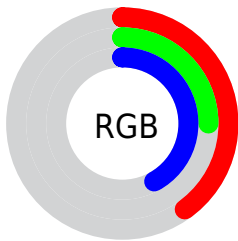
Format	Color
R_{YB}	103, 63, 106
Decimal	6766442
CIE _{Lab}	32.87, 25.16, -17.99
CIE _{LCh}	33, 30.935, 324.433
Yxy	7.4792, 0.3116, 0.2337
Android (android.graphics.Color)	4284956522 (0xFF673F6A)
YUV	79.8620, 12.8860, 20.2920
Hunter-Lab	27.3481, 17.2312, -12.4084

Details

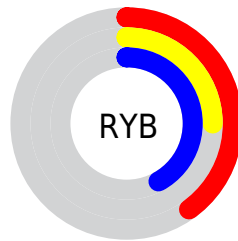
The YUV color **79.8620, 12.8860, 20.2920** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **89.1380, -12.8860, -20.2920**, and the grayscale version is **80.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **129.9870, 13.3174, 21.9364**, and **33.7370, 12.4547, 18.6477** is the 20% darker color. If you saturate the color by 10%, you get **73.1060, 16.2167, 25.3400**, and if you desaturate by 10%, it is **86.6180, 9.5553, 15.2440**.

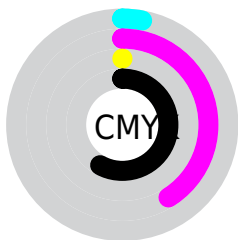
Distribution



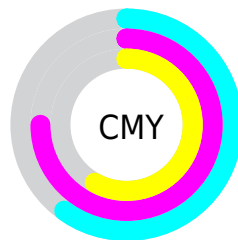
- Red (40%)
- Green (25%)
- Blue (42%)



- Red (40%)
- Yellow (25%)
- Blue (42%)



- Cyan (3%)
- Magenta (41%)
- Yellow (0%)
- Black (58%)



- Cyan (60%)
- Magenta (75%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the YUV color 79.8620, 12.8860, 20.2920 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 79.8620, 12.8860, 20.2920 by changing the saturation by 10% instead.

79.8620, 12.8860,
20.2920

79.8620, 12.8860,
20.2920

255.0000, 0.0000,
0.0000

56.1500, 12.7441,
19.1625

129.9870, 13.3174,
21.9364

33.7370, 12.4547,
18.6477

155.8130, 13.8962,
22.9660

14.3840, 11.1497,
17.2032

183.2260, 14.1856,
23.4808

2.1830, 5.8258,
-1.9145

211.0520, 14.7644,
24.5104

0.0000, 0.0000,
0.0000

233.8680, 10.4181,
18.5328

250.8910, 2.0257,

■ 79.8620, 12.8860,
20.2920

■ 79.8620, 12.8860,
20.2920

■ 73.1060, 16.2167,
25.3400

■ 86.6180, 9.5553,
15.2440

■ 67.2360, 19.1107,
30.4880

■ 92.4880, 6.6614,
10.0960

■ 60.4800, 22.4414,
35.5360

■ 99.2440, 3.3307,
5.0480

■ 54.3110, 25.4827,
40.0693

■ 105.4130, 0.2894,
0.5148

■ 47.5550, 28.8134,
45.1173

■ 112.1690, -3.0413,
-4.5332

■ 41.6850, 31.7073,
50.2653

■ 118.6260, -6.2246,
-10.1960

■ 124.7950, -9.2659,
-14.7292

■ 131.5510,
-12.5966, -19.7772

■ 137.7200,
-15.6380, -24.3104

Harmonies

Analogous

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



77.9880, 21.6979, -6.1285



79.8620, 12.8860, 20.2920



78.8010, 2.0701, 36.1315

Triad

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



79.8620, 12.8860, 20.2920



74.9210, -23.6251, 17.6093



63.3010, 16.6136, -55.5150

Complementary

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



79.8620, 12.8860, 20.2920



89.1380, -12.8860, -20.2920

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.



60.4510, 5.6937, -53.0155



79.8620, 12.8860, 20.2920



73.1960, -20.8026, -1.0489

Square

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



79.8620, 12.8860, 20.2920



76.2740, -18.8691, 32.2087



68.8000, -10.2544, -24.3806



64.4070, 25.9283, -56.4849

Rectangle

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



79.8620, 12.8860, 20.2920



77.1730, -5.5083, 40.1903



68.8000, -10.2544, -24.3806



62.9760, 12.8298, -55.2300

Sweetspot

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



79.8620, 12.8860, 20.2920



127.7220, 5.0671, 8.1368



70.2500, 17.6247, -6.3582



62.8310, 3.0413, 4.5332



196.0000, 0.0000, 0.0000



69.0000, 0.0000, 0.0000

Same Dimension

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



79.8620, 12.8860, 20.2920



96.5890, 20.4156, 31.9324



78.7070, 4.5814, 23.9360



50.1790, 1.8838, 2.4740



45.9290, 35.0380, 55.3133



96.1020, 73.4067, 115.6745

Inverse Universe

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



76.1990, -5.0281, 26.1355



90.9020, -7.8397, 41.3049



90.2930, -4.5814, -23.9360



49.9080, -0.4476, 3.5887



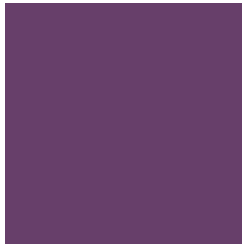
35.8950, -13.7522, 71.1291



75.1930, -28.6891, 148.9207

Previews

White Background



This preview shows how the YUV color 79.8620, 12.8860, 20.2920 looks on a white background.

Color Contrast Check

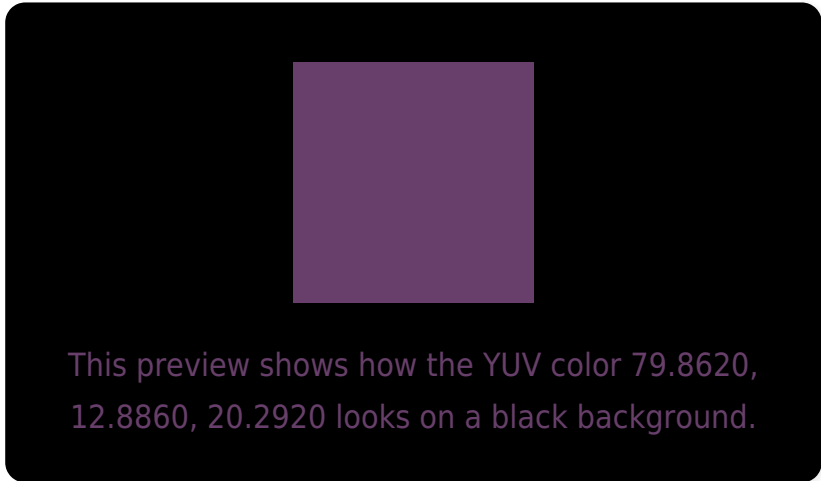
Large Text (above 18pt) WCAG AA ✓ Pass

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 79.8620, 12.8860, 20.2920

Background



This preview shows how black text looks on a background with the YUV color 79.8620, 12.8860, 20.2920.



This preview shows how white text looks on a background with the YUV color 79.8620, 12.8860,

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

79.8620, 12.8860, 20.2920

Protanopia

77.0860, 19.6776, -11.4764

Deuteranopia

78.1700, 12.2412, -6.2881



Tritanopia

79.2410, -2.0908, 17.3286

Trichromacy



Original Color

79.8620, 12.8860, 20.2920

Protanomaly

77.8810, 17.3137, 0.1044

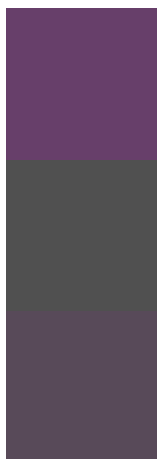
Deuteranomaly

78.9370, 12.3561, 3.5633

Tritanomaly

79.0330, 3.4347, 18.3881

Monochromacy



Original Color

79.8620, 12.8860, 20.2920

Achromatopsia

80.0000, 0.0000, 0.0000

Achromatomaly

79.8960, 4.4883, 7.1072

CSS Examples

Text

The CSS property to change the color of the text to YUV 79.8620, 12.8860, 20.2920 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(103, 63, 106)` looks like.

```
.text, #text, p{  
    color:rgb(103, 63, 106)  
}
```

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(103, 63, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 63, 106) }
```

Border

The CSS property to change the border of an element to YUV 79.8620, 12.8860, 20.2920 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(103, 63, 106) }
```


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

```
.border{ border-color:rgb(103, 63, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 63, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 63, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 63, 106);  
box-shadow:4px 4px 4px 4px rgb(103, 63,  
106) }
```

Background

The CSS property to change the background color of an element to YUV 79.8620, 12.8860, 20.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 63, 106) }
```

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

```
.background{ background-color: rgb(103, 63,  
106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor