

# Converting Colors

YUV(104.1270, 17.6854,  
20.9366)

Have a look what the booklet for  
YUV(104.1270, 17.6854, 20.9366)  
contains.

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# Color

**YUV(104.1270, 17.6854,  
20.9366)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	80558C
RGB	128, 85, 140
RGB Percent	50%, 33%, 55%
CMY	0.4980, 0.6667, 0.4510
CMYK	0.09, 0.39, 0.00, 0.45
HSL	287°, 24%, 44%
HSV	287°, 39%, 55%
XYZ	16.8842, 12.9796, 26.4264
YIQ	104.1270, 7.9730, 26.2210

# Conversions

## Conversions Part 2

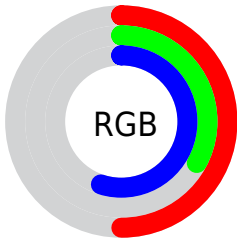
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	128, 85, 140
Decimal	8410508
CIE Lab	42.73, 27.91, -23.49
CIE LCh	43, 36.484, 319.918
Yxy	12.9796, 0.2999, 0.2306
Android (android.graphics.Color)	4286600588 (0xFF80558C)
YUV	104.1270, 17.6854, 20.9366
Hunter-Lab	36.0273, 20.6064, -18.2707

# Details

The YUV color **104.1270, 17.6854, 20.9366** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **120.8730, -17.6854, -20.9366**, and the grayscale version is **104.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **156.3660, 18.5536, 22.4810**, and **55.5890, 16.9646, 18.7774** is the 20% darker color. If you saturate the color by 10%, you get **95.0120, 22.1791, 26.2995**, and if you desaturate by 10%, it is **113.2420, 13.1917, 15.5738**.

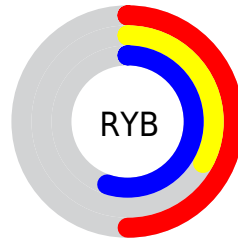
# Distribution



Red (50%)

Green (33%)

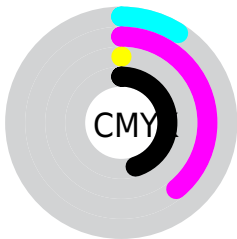
Blue (55%)



Red (50%)

Yellow (33%)

Blue (55%)

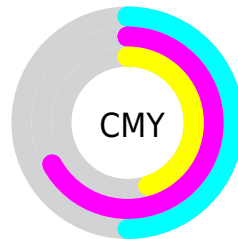


Cyan (9%)

Magenta (39%)

Yellow (0%)

Black (45%)



Cyan (50%)

Magenta (67%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 104.1270, 17.6854, 20.9366 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 104.1270, 17.6854, 20.9366 by changing the saturation by 10% instead.



■ 104.1270, 17.6854,  
20.9366

■ 104.1270, 17.6854,  
20.9366

■ 255.0000, 0.0000,  
0.0000

■ 79.3010, 17.1066,  
19.9070

■ 156.3660, 18.5536,  
22.4810

■ 55.5890, 16.9646,  
18.7774

■ 183.1920, 19.1323,  
23.5106

■ 32.4750, 16.5278,  
18.8774

■ 210.6050, 19.4217,  
24.0254

■ 14.8830, 14.3547,  
15.8886

■ 232.6940, 10.9969,  
19.5624

■ 3.0950, 9.3202,  
-2.7143

■ 249.7170, 2.6045,  
4.6332

■ 0.0000, 0.0000,  
0.0000

104.1270, 17.6854,  
20.9366

104.1270, 17.6854,  
20.9366

95.0120, 22.1791,  
26.2995

113.2420, 13.1917,  
15.5738

85.8970, 26.6728,  
31.6623

122.3570, 8.6980,  
10.2109

76.7820, 31.1665,  
37.0252

131.4720, 4.2043,  
4.8481

67.6670, 35.6602,  
42.3880

140.5870, -0.2894,  
-0.5148

58.5520, 40.1539,  
47.7509

149.7020, -4.7831,  
-5.8777

49.4370, 44.6476,  
53.1138


158.8170, -9.2768,  
-11.2405

48.5510, 45.0844,  
53.0138

167.9320,  
-13.7705, -16.6034

177.0470,

-18.2642, -21.9662

 186.1620,  
-22.7579, -27.3291

# Harmonies

## Analogous

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



100.6650, 28.2662, -12.8612



104.1270, 17.6854, 20.9366



102.5290, 4.6692, 42.5091

# Triad

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



104.1270, 17.6854, 20.9366



98.8850, -29.0303, 24.6569



81.7720, 18.8464, -71.7140

# Complementary

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



104.1270, 17.6854, 20.9366



120.8730, -17.6854, -20.9366

# 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.



77.6510, 5.5951, -68.0999



104.1270, 17.6854, 20.9366



95.9100, -27.0706, 2.7099

# Square

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



104.1270, 17.6854, 20.9366



99.9440, -21.6644, 42.1451



91.5350, -15.0538, -25.0252



82.9750, 31.0713, -72.7691



# Rectangle

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



104.1270, 17.6854, 20.9366



101.4560, -4.6618, 48.7121



91.5350, -15.0538, -25.0252



80.6320, 14.4784, -70.7143

# Sweetspot

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



104.1270, 17.6854, 20.9366



166.5910, 7.1036, 8.2517



98.9010, 20.2618, -12.1912



83.4720, 4.2043, 4.8481



219.0000, 0.0000, 0.0000



92.0000, 0.0000, 0.0000



# Same Dimension

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



104.1270, 17.6854, 20.9366



125.4240, 27.3990, 32.0772



106.0050, 9.3645, 29.8136



64.2930, 2.3206, 2.3740



46.2580, 42.7638, 50.6397



1.7660, 1.5944, 1.9592



# Inverse Universe

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



102.8130, -2.8658, 32.6130



123.5810, -4.2304, 50.3565



118.9950, -9.3645, -29.8136



64.2070, -0.5951, 4.2035



43.0730, -6.9380, 78.8660



1.6090, -0.3002, 2.9739



# Previews

## White Background



This preview shows how the YUV color 104.1270, 17.6854, 20.9366 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 × Fail



# Black Background



This preview shows how the YUV color 104.1270, 17.6854, 20.9366 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

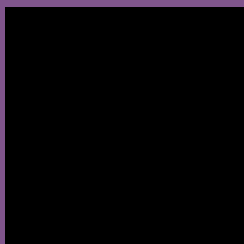
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 104.1270, 17.6854, 20.9366

## Background



This preview shows how black text looks on a background with the YUV color 104.1270, 17.6854, 20.9366.



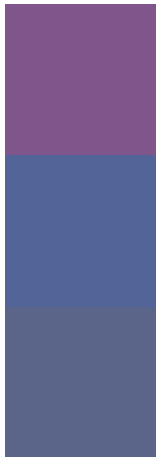
This preview shows how white text looks on a background with the YUV color 104.1270, 17.6854,



# 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

104.1270, 17.6854, 20.9366

### Protanopia

100.8450, 25.2194, -15.6501

### Deuteranopia

101.5270, 17.4882, -9.2322



## Tritanopia

102.5830, -0.7804, 17.0287

# Trichromacy



## Original Color

104.1270, 17.6854, 20.9366

## Protanomaly

102.2380, 22.5607, -2.8397

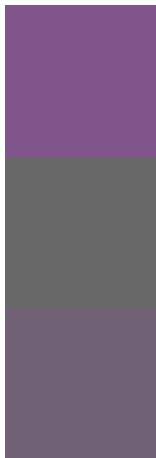
## Deuteranomaly

102.5930, 17.4557, 1.2339

## Tritanomaly

103.0160, 5.9081, 18.4030

# Monochromacy



## Original Color

104.1270, 17.6854, 20.9366

## Achromatopsia

104.0000, 0.0000, 0.0000

## Achromatomaly

104.0640, 6.3774, 7.8369

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 104.1270, 17.6854, 20.9366 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(128, 85, 140)` looks like.

```
.text, #text, p{  
    color:rgb(128, 85, 140)  
}
```

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(128, 85, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 85, 140) }
```

## Border

The CSS property to change the border of an element to YUV 104.1270, 17.6854, 20.9366 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(128, 85, 140) }
```



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

```
.border{ border-color:rgb(128, 85, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 85, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 85, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 85, 140);  
box-shadow:4px 4px 4px 4px rgb(128, 85,  
140) }
```

# Background

The CSS property to change the background color of an element to YUV 104.1270, 17.6854, 20.9366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 85, 140) }
```

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

```
.background{ background-color: rgb(128, 85,  
140) }
```

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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