

# Converting Colors

YUV(97.5160, 20.9446, 2.1785)

Have a look what the booklet for  
YUV(97.5160, 20.9446, 2.1785)  
contains.

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# Color

**YUV(97.5160, 20.9446,  
2.1785)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	64588C
RGB	100, 88, 140
RGB Percent	39%, 35%, 55%
CMY	0.6078, 0.6549, 0.4510
CMYK	0.29, 0.37, 0.00, 0.45
HSL	254°, 23%, 45%
HSV	254°, 37%, 55%
XYZ	13.4789, 11.5822, 26.3361
YIQ	97.5160, -9.5400, 18.7160

# Conversions

## Conversions Part 2

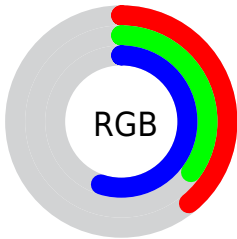
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	100, 88, 140
Decimal	6576268
CIE Lab	40.54, 17.02, -27.12
CIE LCh	41, 32.018, 302.102
Yxy	11.5822, 0.2622, 0.2253
Android (android.graphics.Color)	4284766348 (0xFF64588C)
YUV	97.5160, 20.9446, 2.1785
Hunter-Lab	34.0327, 11.1390, -22.0586

# Details

The YUV color **97.5160, 20.9446, 2.1785** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **130.4840, -20.9446, -2.1785**, and the grayscale version is **97.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **148.5700, 22.3970, 3.0081**, and **50.1630, 19.6396, 0.7340** is the 20% darker color. If you saturate the color by 10%, you get **86.0090, 26.6176, 2.6231**, and if you desaturate by 10%, it is **109.0230, 15.2717, 1.7338**.

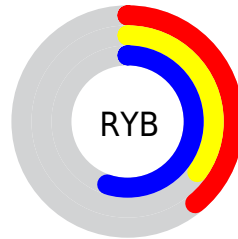
# Distribution



Red (39%)

Green (35%)

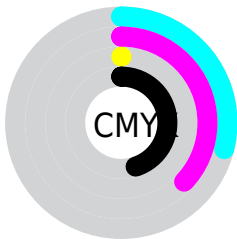
Blue (55%)



Red (39%)

Yellow (35%)

Blue (55%)

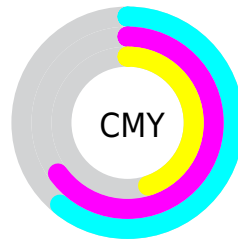


Cyan (29%)

Magenta (37%)

Yellow (0%)

Black (45%)



Cyan (61%)

Magenta (65%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 97.5160, 20.9446, 2.1785 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 97.5160, 20.9446, 2.1785 by changing the saturation by 10% instead.



■ 97.5160, 20.9446,  
2.1785

■ 97.5160, 20.9446,  
2.1785

■ 255.0000, 0.0000,  
0.0000

■ 73.5760, 19.9290,  
1.2488

■ 148.5700, 22.3970,  
3.0081

■ 50.1630, 19.6396,  
0.7340

■ 175.0970, 23.1232,  
3.4229

■ 28.5110, 18.4821,  
-1.3251

■ 202.6240, 23.8494,  
3.8378

■ 7.7070, 17.8924,  
1.1340

■ 228.1870, 13.2188,  
6.8520

■ 3.0950, 9.3202,  
-2.7143

■ 250.8910, 2.0257,  
3.6036

■ 0.0000, 0.0000,  
0.0000

■ 97.5160, 20.9446,  
2.1785

■ 97.5160, 20.9446,  
2.1785

■ 86.0090, 26.6176,  
2.6231

■ 109.0230, 15.2717,  
1.7338

■ 74.5020, 32.2905,  
3.0677

■ 120.5300, 9.5987,  
1.2892

■ 63.2940, 37.8161,  
4.1272

■ 131.7380, 4.0732,  
0.2298

■ 51.7870, 43.4890,  
4.5718

■ 143.2450, -1.5998,  
-0.2149

■ 40.2800, 49.1620,  
5.0164

■ 154.7520, -7.2727,  
-0.6595

■ 28.7730, 54.8349,  
5.4611


■ 166.2590,  
-12.9457, -1.1041

■ 25.5280, 56.4347,  
5.6759

■ 177.4670,  
-18.4712, -2.1636

■ 188.9740,

-24.1442, -2.6082

 200.4810,  
-29.8171, -3.0528

# Harmonies

## Analogous

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



90.5440, 28.3258, -32.0491



97.5160, 20.9446, 2.1785



98.4500, 11.1172, 27.6694

# Triad

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



97.5160, 20.9446, 2.1785



94.7640, -22.0687, 31.7790



75.0410, 10.8258, -65.8110

# Complementary

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



97.5160, 20.9446, 2.1785



130.4840, -20.9446, -2.1785

# 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.



85.4400, -7.6119, -31.9579



97.5160, 20.9446, 2.1785



93.4430, -25.3614, 14.5205

# Square

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



97.5160, 20.9446, 2.1785



95.8220, -13.2232, 41.3751



90.3910, -19.9128, -6.4819



77.4180, 22.4719, -67.8956



# Rectangle

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



97.5160, 20.9446, 2.1785



97.4530, 3.2277, 38.1907



90.3910, -19.9128, -6.4819



76.1080, 5.8628, -60.6077

# Sweetspot

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



97.5160, 20.9446, 2.1785



164.7750, 7.9989, 1.0743



117.9950, 10.8485, -26.3056



82.2650, 4.7994, 0.6446



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.



97.5160, 20.9446, 2.1785



114.6160, 32.7273, 2.9678



104.9910, 17.2594, 17.5479



63.3960, 2.7628, 0.5297



24.4310, 53.5245, 5.7610



0.8690, 2.0366, 0.1149



# Inverse Universe

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



108.1080, 9.8068, 27.9693



131.2870, 15.1415, 43.5983



123.0090, -17.2594, -17.5479



64.6630, 1.1521, 3.8035



51.3950, 24.9483, 71.5676



1.9510, 1.0102, 2.6740



# Previews

## White Background



This preview shows how the YUV color 97.5160, 20.9446, 2.1785 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 97.5160, 20.9446, 2.1785 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

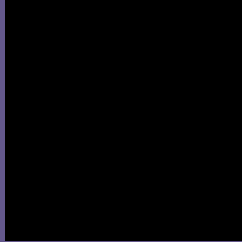
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 97.5160, 20.9446, 2.1785

## Background



This preview shows how black text looks on a background with the YUV color 97.5160, 20.9446, 2.1785.



This preview shows how white text looks on a background with the YUV color 97.5160, 20.9446,



# 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

97.5160, 20.9446, 2.1785

### Protanopia

95.0300, 24.6352, -14.9353

### Deuteranopia

94.9330, 21.7250, -14.8502



## Tritanopia

95.9010, 3.4998, -2.5442

# Trichromacy



## Original Color

97.5160, 20.9446, 2.1785

## Protanomaly

96.0200, 23.1611, -8.7875

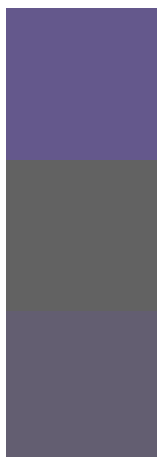
## Deuteranomaly

95.5640, 21.4139, -8.3876

## Tritanomaly

96.5190, 9.6041, -0.4552

# Monochromacy



## Original Color

97.5160, 20.9446, 2.1785

## Achromatopsia

98.0000, 0.0000, 0.0000

## Achromatomaly

97.6610, 7.5621, 1.1743

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 97.5160, 20.9446, 2.1785 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(100, 88, 140)` looks like.

```
.text, #text, p{  
    color:rgb(100, 88, 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(100, 88, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 88, 140) }
```

## Border

The CSS property to change the border of an element to YUV 97.5160, 20.9446, 2.1785 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(100, 88, 140) }
```



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

```
.border{ border-color:rgb(100, 88, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 88, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 88, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 88, 140);  
box-shadow:4px 4px 4px 4px rgb(100, 88,  
140) }
```

# Background

The CSS property to change the background color of an element to YUV 97.5160, 20.9446, 2.1785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 88, 140) }
```

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

```
.background{ background-color: rgb(100, 88,  
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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