

# Converting Colors

YUV(96.6520, 21.3706, 5.5672)

Have a look what the booklet for  
YUV(96.6520, 21.3706, 5.5672)  
contains.

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# Color

**YUV(96.6520, 21.3706,  
5.5672)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	67558C
RGB	103, 85, 140
RGB Percent	40%, 33%, 55%
CMY	0.5961, 0.6667, 0.4510
CMYK	0.26, 0.39, 0.00, 0.45
HSL	260°, 24%, 44%
HSV	260°, 39%, 55%
XYZ	13.5756, 11.2740, 26.2715
YIQ	96.6520, -6.9270, 20.9210

# Conversions

## Conversions Part 2

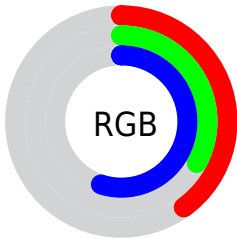
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	103, 85, 140
Decimal	6772108
CIE Lab	40.04, 19.82, -27.89
CIE LCh	40, 34.217, 305.395
Yxy	11.2740, 0.2656, 0.2205
Android (android.graphics.Color)	4284962188 (0xFF67558C)
YUV	96.6520, 21.3706, 5.5672
Hunter-Lab	33.5768, 13.4110, -22.8866

# Details

The YUV color **96.6520, 21.3706, 5.5672** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **128.3480, -21.3706, -5.5672**, and the grayscale version is **96.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **147.7060, 22.8229, 6.3968**, and **49.8860, 19.7762, 3.6080** is the 20% darker color. If you saturate the color by 10%, you get **85.7430, 26.7487, 7.2414**, and if you desaturate by 10%, it is **107.5610, 15.9924, 3.8930**.

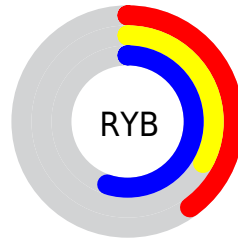
# Distribution



Red (40%)

Green (33%)

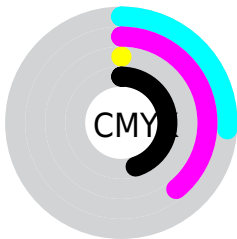
Blue (55%)



Red (40%)

Yellow (33%)

Blue (55%)

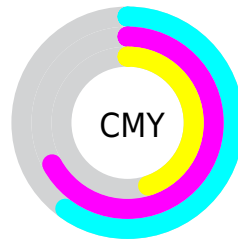


Cyan (26%)

Magenta (39%)

Yellow (0%)

Black (45%)



Cyan (60%)

Magenta (67%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 96.6520, 21.3706, 5.5672 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 96.6520, 21.3706, 5.5672 by changing the saturation by 10% instead.



■ 96.6520, 21.3706,  
5.5672

■ 96.6520, 21.3706,  
5.5672

■ 255.0000, 0.0000,  
0.0000

■ 72.7120, 20.3550,  
4.6376

■ 147.7060, 22.8229,  
6.3968

■ 49.8860, 19.7762,  
3.6080

■ 174.2330, 23.5491,  
6.8117

■ 27.6470, 18.9080,  
2.0636

■ 201.7600, 24.2753,  
7.2265

■ 8.9030, 17.3028,  
3.5931

■ 227.3230, 13.6448,  
10.2407

■ 3.0950, 9.3202,  
-2.7143

■ 248.5430, 3.1833,  
5.6628

■ 0.0000, 0.0000,  
0.0000

■ 96.6520, 21.3706,  
5.5672

■ 96.6520, 21.3706,  
5.5672

■ 85.7430, 26.7487,  
7.2414

■ 107.5610, 15.9924,  
3.8930

■ 74.5350, 32.2742,  
8.3008

■ 118.7690, 10.4669,  
2.8336

■ 63.6260, 37.6524,  
9.9750

■ 129.6780, 5.0887,  
1.1594

■ 52.4180, 43.1779,  
11.0344

■ 140.8860, -0.4368,  
0.1000

■ 41.5090, 48.5561,  
12.7086

■ 151.7950, -5.8149,  
-1.5742

■ 30.3010, 54.0816,  
13.7680


■ 163.0030,  
-11.3405, -2.6336

■ 29.7140, 54.3710,  
14.2828

■ 173.9120,  
-16.7186, -4.3078

■ 184.8210,

-22.0968, -5.9820

 196.0290,  
-27.6223, -7.0414

# Harmonies

## Analogous

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



89.5980, 29.7782, -31.2194



96.6520, 21.3706, 5.5672



97.2440, 10.2327, 31.3580

# Triad

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



96.6520, 21.3706, 5.5672



93.3680, -24.8314, 31.2493



74.6820, 11.9888, -65.4961

# Complementary

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



96.6520, 21.3706, 5.5672



128.3480, -21.3706, -5.5672

# 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.



81.8520, -5.8430, -39.3352



96.6520, 21.3706, 5.5672



90.9760, -27.1032, 13.1760

# Square

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



96.6520, 21.3706, 5.5672



94.2630, -15.4127, 43.6193



88.2550, -20.3387, -9.8706



77.7600, 23.7823, -68.1955



# Rectangle

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



96.6520, 21.3706, 5.5672



95.8340, 2.0538, 41.3646



88.2550, -20.3387, -9.8706



73.5420, 7.6208, -64.4963

# Sweetspot

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



96.6520, 21.3706, 5.5672



163.6010, 8.5777, 2.1039



113.5760, 13.0270, -25.0612



81.6780, 5.0887, 1.1594



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.



96.6520, 21.3706, 5.5672



114.0620, 33.0004, 8.7156



104.7250, 17.3906, 22.1662



63.3960, 2.7628, 0.5297



28.0190, 51.7556, 13.1383



1.1680, 1.8892, 0.7297



# Inverse Universe

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



105.6630, 8.0541, 30.1135



127.9130, 12.3679, 46.5573



120.2750, -17.3906, -22.1662



64.6630, 1.1521, 3.8035



49.9130, 19.2699, 72.8673



1.8370, 0.5734, 2.7740



# Previews

## White Background



This preview shows how the YUV color 96.6520, 21.3706, 5.5672 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 96.6520, 21.3706, 5.5672 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

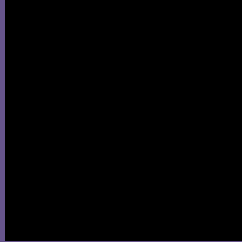
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 96.6520, 21.3706, 5.5672

## Background



This preview shows how black text looks on a background with the YUV color 96.6520, 21.3706, 5.5672.



This preview shows how white text looks on a background with the YUV color 96.6520, 21.3706,



# 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

96.6520, 21.3706, 5.5672

### Protanopia

93.7740, 26.2404, -16.4648

### Deuteranopia

93.6340, 21.8724, -15.4650



## Tritanopia

94.8090, 3.0522, 1.0445

# Trichromacy



## Original Color

96.6520, 21.3706, 5.5672

## Protanomaly

94.6610, 24.3241, -8.4727

## Deuteranomaly

94.9770, 21.7033, -7.8728

## Tritanomaly

95.5410, 9.5933, 3.0335

# Monochromacy



## Original Color

96.6520, 21.3706, 5.5672

## Achromatopsia

97.0000, 0.0000, 0.0000

## Achromatomaly

97.0740, 7.8515, 1.6891

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 96.6520, 21.3706, 5.5672 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, 85, 140)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 85, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 85, 140) }
```

## Border

The CSS property to change the border of an element to YUV 96.6520, 21.3706, 5.5672 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, 85, 140) }
```



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

```
.border{ border-color:rgb(103, 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(103, 85, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 85, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 85, 140);  
box-shadow:4px 4px 4px 4px rgb(103, 85,  
140) }
```

# Background

The CSS property to change the background color of an element to YUV 96.6520, 21.3706, 5.5672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 85, 140) }
```

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

```
.background{ background-color: rgb(103, 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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