

# Converting Colors

YUV(51.8500, 21.2730, 36.9656)

Have a look what the booklet for  
YUV(51.8500, 21.2730, 36.9656)  
contains.

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# Color

**YUV(51.8500, 21.2730,  
36.9656)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5E165F
RGB	94, 22, 95
RGB Percent	37%, 9%, 37%
CMY	0.6314, 0.9137, 0.6275
CMYK	0.01, 0.77, 0.00, 0.63
HSL	299°, 62%, 23%
HSV	299°, 77%, 37%
XYZ	6.9686, 3.7797, 11.1887
YIQ	51.8500, 19.4790, 37.9670

# Conversions

## Conversions Part 2

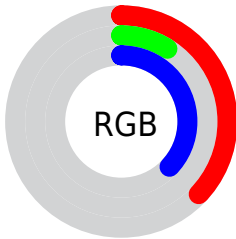
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	94, 22, 95
Decimal	6166111
CIE Lab	22.93, 41.47, -26.56
CIE LCh	23, 49.245, 327.364
Yxy	3.7797, 0.3177, 0.1723
Android (android.graphics.Color)	4284356191 (0xFF5E165F)
YUV	51.8500, 21.2730, 36.9656
Hunter-Lab	19.4415, 29.9584, -20.5128

# Details

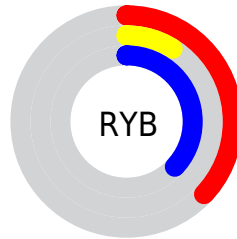
The YUV color **51.8500, 21.2730, 36.9656** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **65.1500, -21.2729, -36.9655**, and the grayscale version is **52.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **104.0350, 20.6887, 37.6803**, and **19.2260, 14.1856, 23.4808** is the 20% darker color. If you saturate the color by 10%, you get **46.5670, 23.8775, 41.5987**, and if you desaturate by 10%, it is **57.7200, 18.3790, 31.8176**.

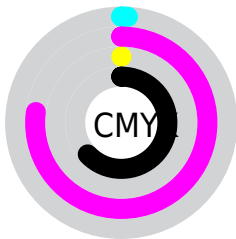
# Distribution



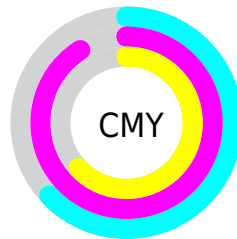
- Red (37%)
- Green (9%)
- Blue (37%)



- Red (37%)
- Yellow (9%)
- Blue (37%)



- Cyan (1%)
- Magenta (77%)
- Yellow (0%)
- Black (63%)



- Cyan (63%)
- Magenta (91%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 51.8500, 21.2730, 36.9656 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 51.8500, 21.2730, 36.9656 by changing the saturation by 10% instead.



■ 51.8500, 21.2730,  
36.9656

■ 51.8500, 21.2730,  
36.9656

■ 255.0000, 0.0000,  
0.0000

■ 28.7250, 20.8416,  
35.3212

■ 104.0350, 20.6887,  
37.6803

■ 19.2260, 14.1856,  
23.4808

■ 129.8610, 21.2675,  
38.7099

■ 6.6660, 10.0247,  
4.6779

■ 156.8720, 21.2621,  
40.4543

■ 0.0000, 0.0000,  
0.0000

■ 184.2850, 21.5515,  
40.9691

■ 210.3880, 21.9937,  
39.1247

■ 226.8240, 13.8908,

24.7104

243.8470, 5.4984,  
9.7812

51.8500, 21.2730,  
36.9656

51.8500, 21.2730,  
36.9656

46.5670, 23.8775,  
41.5987

57.7200, 18.3790,  
31.8176

40.6970, 26.7714,  
46.7467

63.0030, 15.7745,  
27.1844

38.9360, 27.6396,  
48.2911

68.8730, 12.8806,  
22.0364

74.4550, 10.1287,  
18.0180

80.3250, 7.2348,  
12.8700

■ 85.6080, 4.6303,  
8.2368

■ 91.4780, 1.7363,  
3.0888

■ 96.7610, -0.8682,  
-1.5444

■ 102.6310, -3.7621,  
-6.6924

# Harmonies

## Analogous

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



52.1580, 33.9391, -12.4166



51.8500, 21.2730, 36.9656



41.2250, 9.2561, 64.7007

# Triad

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



51.8500, 21.2730, 36.9656



51.7530, -25.5142, 16.8796



51.1220, 18.1809, -44.8340

# Complementary

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



51.8500, 21.2730, 36.9656



65.1500, -21.2729, -36.9655

# 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.



46.2030, 1.8719, -40.5200



51.8500, 21.2730, 36.9656



47.1580, -23.2489, -9.7856

# Square

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



51.8500, 21.2730, 36.9656



49.8470, -24.5746, 42.2302



40.3550, -15.4580, -35.3913



53.2540, 31.4268, -46.7038



# Rectangle

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



51.8500, 21.2730, 36.9656



38.9730, -1.9587, 68.4297



40.3550, -15.4580, -35.3913



49.7540, 12.9393, -43.6343

# Sweetspot

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



51.8500, 21.2730, 36.9656



105.5640, 8.1029, 14.4144



30.9090, 31.5969, -7.8132



51.0210, 4.9196, 8.7516



189.0000, 0.0000, 0.0000



61.0000, 0.0000, 0.0000



# Same Dimension

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



51.8500, 21.2730, 36.9656



55.9570, 32.5592, 57.0427



48.1590, 5.8376, 41.0796



45.6520, 1.1576, 2.0592



45.9570, 32.5592, 57.0427



97.9240, 70.0435, 121.0927



# Inverse Universe

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



43.9410, -10.3239, 44.7787



43.6020, -16.0728, 68.7550



68.8410, -5.8376, -41.0796



45.1960, -0.5896, 2.4591



33.7160, -15.6360, 68.6551

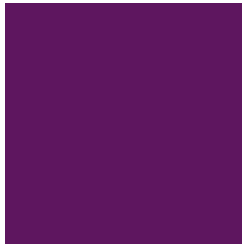


72.1020, -34.0673, 147.2465



# Previews

## White Background



This preview shows how the YUV color 51.8500, 21.2730, 36.9656 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

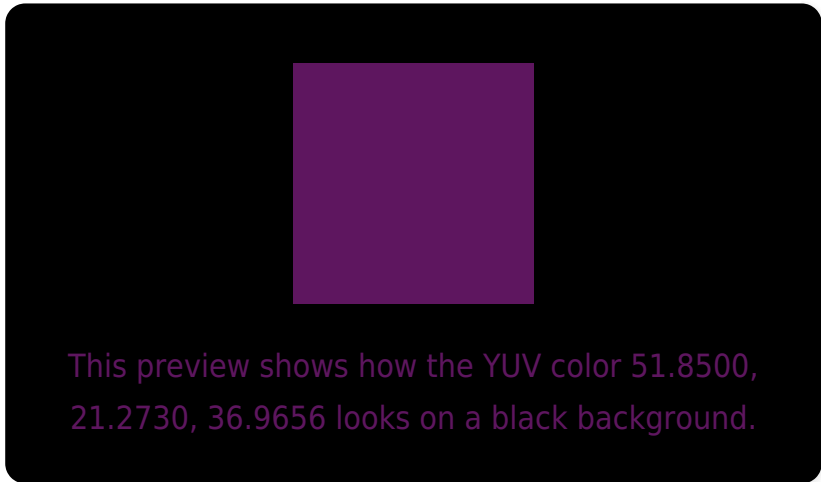
Any Text WCAG AA ✓ Pass

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

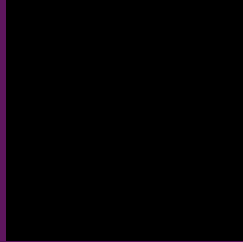
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 51.8500, 21.2730, 36.9656

## Background



This preview shows how black text looks on a background with the YUV color 51.8500, 21.2730, 36.9656.



This preview shows how white text looks on a background with the YUV color 51.8500, 21.2730,



# 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

51.8500, 21.2730, 36.9656

### Protanopia

44.8080, 34.6047, -39.2966

### Deuteranopia

54.1950, 17.6519, -15.0800



## Tritanopia

55.3950, -5.6177, 28.5946

# Trichromacy



## Original Color

51.8500, 21.2730, 36.9656

## Protanomaly

47.1320, 30.0079, -11.5168

## Deuteranomaly

53.6580, 18.9026, 3.8079

## Tritanomaly

54.0500, 4.4124, 31.5282

# Monochromacy



## Original Color

51.8500, 21.2730, 36.9656

## Achromatopsia

52.0000, 0.0000, 0.0000

## Achromatomaly

51.8520, 7.9610, 13.2848

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 51.8500, 21.2730, 36.9656 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(94, 22, 95)` looks like.

```
.text, #text, p{  
  color:rgb(94, 22, 95)  
}
```

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(94, 22, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 22, 95) }
```

## Border

The CSS property to change the border of an element to YUV 51.8500, 21.2730, 36.9656 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(94, 22, 95) }
```



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

```
.border{ border-color:rgb(94, 22, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 22, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 22, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 22, 95);  
box-shadow:4px 4px 4px 4px rgb(94, 22, 95)  
}
```

# Background

The CSS property to change the background color of an element to YUV 51.8500, 21.2730, 36.9656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 22, 95) }
```

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

```
.background{ background-color: rgb(94, 22,  
95) }
```

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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