

# Converting Colors

YUV(85.0920, 21.1536, 75.3413)

Have a look what the booklet for  
YUV(85.0920, 21.1536, 75.3413)  
contains.

<b>YUV(85.0920, 21.1536, 75.3413)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(85.0920, 21.1536,  
75.3413)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB2180
RGB	171, 33, 128
RGB Percent	67%, 13%, 50%
CMY	0.3294, 0.8706, 0.4980
CMYK	0.00, 0.81, 0.25, 0.33
HSL	319°, 68%, 40%
HSV	319°, 81%, 67%
XYZ	21.2347, 11.3042, 21.4848
YIQ	85.0920, 51.7530, 58.8010

# Conversions

## Conversions Part 2

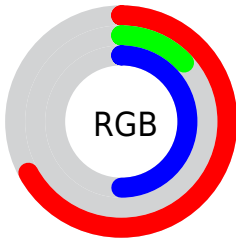
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 33, 128
Decimal	11215232
CIE <sub>Lab</sub>	40.09, 61.63, -19.73
CIE <sub>LCh</sub>	40, 64.716, 342.247
Yxy	11.3042, 0.3931, 0.2092
Android (android.graphics.Color)	4289405312 (0xFFAB2180)
YUV	85.0920, 21.1536, 75.3413
Hunter-Lab	33.6216, 53.8990, -14.3522

# Details

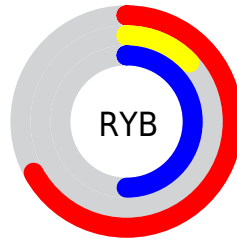
The YUV color **85.0920, 21.1536, 75.3413** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **118.9080, -21.1536, -75.3413**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **144.5820, 17.9541, 74.9116**, and **43.0920, 17.7026, 62.1863** is the 20% darker color. If you saturate the color by 10%, you get **74.5430, 23.8893, 84.5928**, and if you desaturate by 10%, it is **95.6410, 18.4180, 66.0898**.

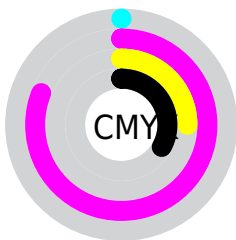
# Distribution



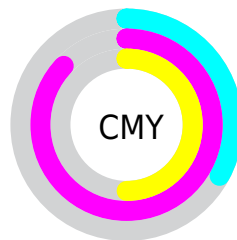
- Red (67%)
- Green (13%)
- Blue (50%)



- Red (67%)
- Yellow (13%)
- Blue (50%)



- Cyan (0%)
- Magenta (81%)
- Yellow (25%)
- Black (33%)




- Cyan (33%)
- Magenta (87%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 85.0920, 21.1536, 75.3413 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 85.0920, 21.1536, 75.3413 by changing the saturation by 10% instead.





 85.0920, 21.1536,  
75.3413


 85.0920, 21.1536,  
75.3413


255.0000, 0.0000,  
0.0000


 54.2000, 24.0584,  
77.0006


 144.5820, 17.9541,  
74.9116


 43.0920, 17.7026,  
62.1863


 172.2720, 18.1069,  
72.5525


 32.0980, 11.7837,  
47.2721

 191.9000, 22.2343,  
55.3387

 22.4140, 5.7119,  
34.7169

 210.3880, 21.9937,  
39.1247

 10.0670, -1.5120,  
18.3582

 227.4110, 13.6014,  
24.1956

 0.0000, 0.0000,  
0.0000

 245.0210, 4.9196,

8.7516

■ 85.0920, 21.1536,  
75.3413

■ 85.0920, 21.1536,  
75.3413

■ 74.5430, 23.8893,  
84.5928

■ 95.6410, 18.4180,  
66.0898

■ 64.5810, 26.3356,  
93.3295

■ 106.3040, 16.1191,  
56.7384

■ 116.8530, 13.3835,  
47.4869

■ 127.4020, 10.6478,  
38.2354

■ 138.6520, 8.0596,  
28.3692

■ 149.2010, 5.3239,  
19.1177

■ 159.7500, 2.5882,  
9.8663

■ 170.4130, 0.2894,  
0.5148

■ 180.9620, -2.4463,  
-8.7367

# Harmonies

## Analogous

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



96.2300, 38.3406, 22.6003



85.0920, 21.1536, 75.3413



74.4310, 0.2805, 96.9690

# Triad

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



85.0920, 21.1536, 75.3413



86.8170, -42.8008, 8.0535



86.9020, 38.5023, -76.2131

# Complementary

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



85.0920, 21.1536, 75.3413



118.9080, -21.1536, -75.3413

# 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.



81.9030, 16.8098, -71.8289



85.0920, 21.1536, 75.3413



72.3440, -35.6656, -40.6437

# Square

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



85.0920, 21.1536, 75.3413



88.8200, -43.7883, 44.8849



74.3450, -7.0721, -65.2006



86.3270, 54.0688, -75.7088



# Rectangle

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



85.0920, 21.1536, 75.3413



81.6750, -20.0528, 85.3540



74.3450, -7.0721, -65.2006



85.7790, 31.6610, -75.2282

# Sweetspot

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



85.0920, 21.1536, 75.3413



188.9510, 7.9122, 28.9840



60.9910, 54.2344, 11.4089



92.0760, 4.8925, 17.4733



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000



# Same Dimension

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



85.0920, 21.1536, 75.3413



88.1570, 32.9536, 117.3803



77.4540, -8.1118, 82.0398



81.3750, 1.2941, 4.9331



56.7060, 23.3159, 81.8188



8.7010, 3.5984, 12.5402



# Inverse Universe

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



85.0920, 21.1536, 75.3413



88.1570, 32.9536, 117.3803



126.5460, 8.1118, -82.0398



81.3750, 1.2941, 4.9331



56.7060, 23.3159, 81.8188



8.7010, 3.5984, 12.5402



# Previews

## White Background



This preview shows how the YUV color 85.0920, 21.1536, 75.3413 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

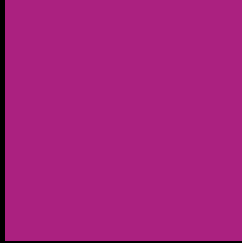
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 85.0920, 21.1536, 75.3413 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

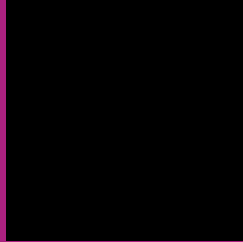
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 85.0920, 21.1536, 75.3413

## Background



This preview shows how black text looks on a background with the YUV color 85.0920, 21.1536, 75.3413.



This preview shows how white text looks on a background with the YUV color 85.0920, 21.1536,



# 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

85.0920, 21.1536, 75.3413

### Protanopia

91.0570, 40.3979, -30.7450

### Deuteranopia

96.3660, 11.6516, -3.8290



## Tritanopia

90.0470, -14.3202, 66.6108

# Trichromacy



## Original Color

85.0920, 21.1536, 75.3413

## Protanomaly

88.8770, 33.5846, 8.0009

## Deuteranomaly

92.4650, 15.0538, 25.0252

## Tritanomaly

88.0980, -1.5273, 70.0741

# Monochromacy



## Original Color

85.0920, 21.1536, 75.3413

## Achromatopsia

85.0000, 0.0000, 0.0000

## Achromatomaly

84.9400, 7.9176, 27.2396

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 85.0920, 21.1536, 75.3413 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(171, 33, 128)` looks like.

```
.text, #text, p{  
    color:rgb(171, 33, 128)  
}
```

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(171, 33, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 33, 128) }
```

## Border

The CSS property to change the border of an element to YUV 85.0920, 21.1536, 75.3413 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(171, 33, 128) }
```



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

```
.border{ border-color:rgb(171, 33, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 33, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 33, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 33, 128);  
box-shadow:4px 4px 4px 4px rgb(171, 33,  
128) }
```

# Background

The CSS property to change the background color of an element to YUV 85.0920, 21.1536, 75.3413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 33, 128) }
```

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

```
.background{ background-color: rgb(171, 33,  
128) }
```

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