

# Converting Colors

YUV(93.8710, 42.9546, 36.0701)

Have a look what the booklet for  
YUV(93.8710, 42.9546, 36.0701)  
contains.

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# Color

**YUV(93.8710, 42.9546,  
36.0701)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8738B5
RGB	135, 56, 181
RGB Percent	53%, 22%, 71%
CMY	0.4706, 0.7804, 0.2902
CMYK	0.25, 0.69, 0.00, 0.29
HSL	278°, 53%, 46%
HSV	278°, 69%, 71%
XYZ	19.7463, 11.3154, 44.8594
YIQ	93.8710, 6.9590, 55.6230

# Conversions

## Conversions Part 2

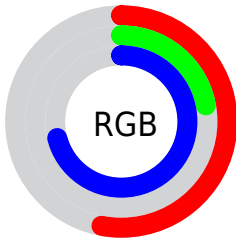
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">135, 56, 181</a>
Decimal	<a href="#">8861877</a>
CIELab	<a href="#">40.11, 54.29, -52.08</a>
CIElCh	<a href="#">40, 75.236, 316.190</a>
Yxy	<a href="#">11.3154, 0.2601, 0.1490</a>
Android (android.graphics.Color)	<a href="#">4287051957 (0xFF8738B5)</a>
YUV	<a href="#">93.8710, 42.9546, 36.0701</a>
Hunter-Lab	<a href="#">33.6384, 45.9153, -55.5208</a>

# Details

The YUV color **93.8710, 42.9546, 36.0701** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **143.1290, -42.9546, -36.0701**, and the grayscale version is **93.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **148.5230, 44.1122, 38.1293**, and **38.3980, 43.6808, 36.4850** is the 20% darker color. If you saturate the color by 10%, you get **81.2120, 49.1955, 41.0331**, and if you desaturate by 10%, it is **106.5300, 36.7137, 31.1072**.

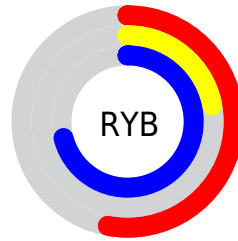
# Distribution



Red (53%)

Green (22%)

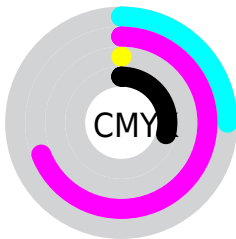
Blue (71%)



Red (53%)

Yellow (22%)

Blue (71%)

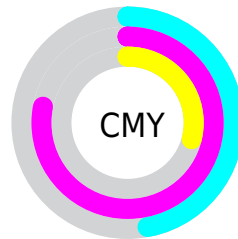


Cyan (25%)

Magenta (69%)

Yellow (0%)

Black (29%)



Cyan (47%)

Magenta (78%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 93.8710, 42.9546, 36.0701 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 93.8710, 42.9546, 36.0701 by changing the saturation by 10% instead.





 93.8710, 42.9546,  
36.0701


 93.8710, 42.9546,  
36.0701


255.0000, 0.0000,  
0.0000


 65.9850, 43.3914,  
35.9702


 148.5230, 44.1122,  
38.1293


 38.3980, 43.6808,  
36.4850


 174.9810, 39.4494,  
40.3587


 27.0620, 36.4514,  
21.8706


 199.5010, 27.3610,  
44.2876

 17.1500, 29.5061,  
9.5155

 217.4320, 18.5210,  
32.9471

 6.0420, 23.1503,  
-5.2988

 234.4550, 10.1287,  
18.0180

 4.7080, 12.9620,  
-4.1289

 251.4780, 1.7363,

 0.1140, 0.4368,

3.0888

-0.1000

■ 0.0000, 0.0000,  
0.0000

■ 93.8710, 42.9546,  
36.0701

■ 93.8710, 42.9546,  
36.0701

■ 81.2120, 49.1955,  
41.0331

■ 106.5300, 36.7137,  
31.1072

■ 68.8520, 55.2890,  
46.6108

■ 118.8900, 30.6202,  
25.5295

■ 56.1930, 61.5299,  
51.5737

■ 131.5490, 24.3793,  
20.5665

■ 54.7200, 62.2560,  
51.9886

■ 144.2080, 18.1385,  
15.6036

■ 157.1550, 11.7556,  
9.5111

■ 169.8140, 5.5147,  
4.5481

■ 182.4730, -0.7262,  
-0.4148

■ 194.8330, -6.8197,  
-5.9925

■ 207.4920,  
-13.0606, -10.9555

# Harmonies

## Analogous

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



77.9270, 67.5770, -68.3420



93.8710, 42.9546, 36.0701



69.9780, 27.6188, 101.7513

# Triad

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



93.8710, 42.9546, 36.0701



89.1080, -43.9302, 43.7553



84.3310, 21.0358, -73.9583

# Complementary

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



93.8710, 42.9546, 36.0701



143.1290, -42.9546, -36.0701

# 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.



76.4480, -6.6299, -67.0449



93.8710, 42.9546, 36.0701



85.2890, -42.0475, -0.2535

# Square

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



93.8710, 42.9546, 36.0701



79.0500, -38.9716, 86.7792



66.3310, -32.7012, -58.1723



90.1280, 45.7859, -79.0423



# Rectangle

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



93.8710, 42.9546, 36.0701



68.5930, 8.0887, 112.6129



66.3310, -32.7012, -58.1723



81.9370, 11.8631, -71.8587

# Sweetspot

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



93.8710, 42.9546, 36.0701



199.9690, 17.2703, 14.0592



98.4260, 40.7090, -37.2076



96.9870, 9.8664, 8.7814



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

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



93.8710, 42.9546, 36.0701



99.0070, 67.0445, 56.1219



105.9150, 29.6219, 65.8495



82.8200, 3.0467, 2.7889



46.4450, 52.5316, 44.3367



7.7480, 8.9982, 7.2370



# Inverse Universe

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



98.6190, 1.6668, 72.2481



106.5130, 2.7051, 112.6831



131.0850, -29.6219, -65.8495



83.1470, 0.4205, 5.1331



52.1310, 1.9074, 88.4621

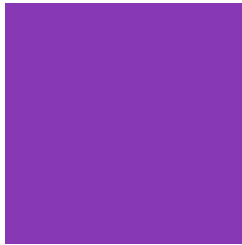


8.8000, 0.0986, 15.0844



# Previews

## White Background



This preview shows how the YUV color 93.8710, 42.9546, 36.0701 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

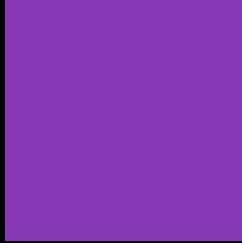
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 93.8710, 42.9546, 36.0701 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 93.8710, 42.9546, 36.0701

## Background



This preview shows how black text looks on a background with the YUV color 93.8710, 42.9546, 36.0701.



This preview shows how white text looks on a background with the YUV color 93.8710, 42.9546,



# 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

93.8710, 42.9546, 36.0701

### Protanopia

76.1200, 58.1148, -66.7572

### Deuteranopia

76.4330, 46.6215, -67.0317



## Tritanopia

96.2630, -2.1017, 20.8173

# Trichromacy



## Original Color

93.8710, 42.9546, 36.0701

## Protanomaly

82.5700, 52.4700, -29.4409

## Deuteranomaly

82.7350, 45.4866, -29.5856

## Tritanomaly

94.9490, 14.3221, 26.3547

# Monochromacy



## Original Color

93.8710, 42.9546, 36.0701

## Achromatopsia

94.0000, 0.0000, 0.0000

## Achromatomaly

93.9150, 15.8179, 13.2295

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 93.8710, 42.9546, 36.0701 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(135, 56, 181)` looks like.

```
.text, #text, p{  
    color:rgb(135, 56, 181)  
}
```

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(135, 56, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 56, 181) }
```

## Border

The CSS property to change the border of an element to YUV 93.8710, 42.9546, 36.0701 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(135, 56, 181) }
```



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

```
.border{ border-color:rgb(135, 56, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 56, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 56, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 56, 181);  
box-shadow:4px 4px 4px 4px rgb(135, 56,  
181) }
```

# Background

The CSS property to change the background color of an element to YUV 93.8710, 42.9546, 36.0701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 56, 181) }
```

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

```
.background{ background-color: rgb(135, 56,  
181) }
```

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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