

# Converting Colors

YUV(133.6250, 36.1739,  
64.3499)

Have a look what the booklet for  
YUV(133.6250, 36.1739, 64.3499)  
contains.

<b>YUV(133.6250, 36.1739, 64.3499)</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(133.6250, 36.1739,  
64.3499)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CF52CF
RGB	207, 82, 207
RGB Percent	81%, 32%, 81%
CMY	0.1882, 0.6784, 0.1882
CMYK	0.00, 0.60, 0.00, 0.19
HSL	300°, 57%, 57%
HSV	300°, 60%, 81%
XYZ	40.0119, 23.8050, 61.5174
YIQ	133.6250, 34.3750, 65.3750

# Conversions

## Conversions Part 2

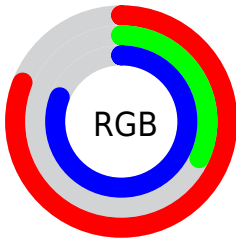
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	207, 82, 207
Decimal	13587151
CIE Lab	55.89, 64.85, -41.39
CIE LCh	56, 76.933, 327.455
Yxy	23.8050, 0.3192, 0.1899
Android (android.graphics.Color)	4291777231 (0xFFCF52CF)
YUV	133.6250, 36.1739, 64.3499
Hunter-Lab	48.7903, 61.0009, -40.6027

# Details

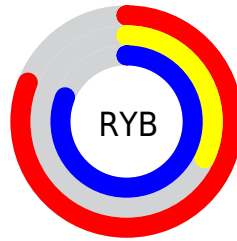
The YUV color **133.6250, 36.1739, 64.3499** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **155.3750, -36.1739, -64.3499**, and the grayscale version is **133.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **186.3210, 33.8587, 60.2315**, and **68.9230, 40.9570, 70.2275** is the 20% darker color. If you saturate the color by 10%, you get **121.2980, 42.2511, 75.1607**, and if you desaturate by 10%, it is **145.9520, 30.0967, 53.5391**.

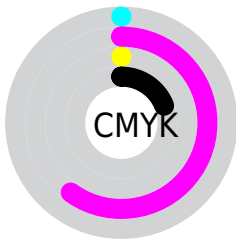
# Distribution



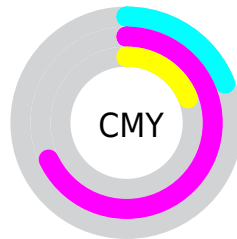
- Red (81%)
- Green (32%)
- Blue (81%)



- Red (81%)
- Yellow (32%)
- Blue (81%)



- Cyan (0%)
- Magenta (60%)
- Yellow (0%)
- Black (19%)



- Cyan (19%)
- Magenta (68%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 133.6250, 36.1739, 64.3499 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 133.6250, 36.1739, 64.3499 by changing the saturation by 10% instead.





 133.6250, 36.1739,  
64.3499


 133.6250, 36.1739,  
64.3499

255.0000, 0.0000,  
0.0000


 104.1520, 36.9001,  
64.7647


 186.3210, 33.8587,  
60.2315

 68.9230, 40.9570,  
70.2275


 203.3440, 25.4664,  
45.3023

 50.5430, 37.2003,  
61.7908


 220.3670, 17.0741,  
30.3731

 39.5060, 29.8235,  
47.7912

 237.3900, 8.6817,  
15.4440

 28.6970, 23.3204,  
33.5917

254.4130, 0.2894,  
0.5148

 18.1870, 16.6698,  
20.0070

 3.4200, 13.1039,

-2.9993

■ 0.0000, 0.0000,  
0.0000

■ 133.6250, 36.1739,  
64.3499

■ 133.6250, 36.1739,  
64.3499

■ 121.2980, 42.2511,  
75.1607

■ 145.9520, 30.0967,  
53.5391

■ 109.5580, 48.0389,  
85.4566

■ 157.6920, 24.3088,  
43.2431

■ 97.2310, 54.1161,  
96.2674

■ 170.0190, 18.2316,  
32.4323

■ 85.4910, 59.9039,  
106.5634

■ 182.3460, 12.1544,  
21.6216

■ 194.6730, 6.0772,  
10.8108

■ 206.4130, 0.2894,  
0.5148

■ 218.7400, -5.7878,  
-10.2960

■ 231.0670,  
-11.8650, -21.1068

■ 235.1760,  
-13.8908, -24.7104

# Harmonies

## Analogous

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



132.8950, 59.7048, -16.5709



133.6250, 36.1739, 64.3499



119.2060, 11.7304, 111.1983

# Triad

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



133.6250, 36.1739, 64.3499



125.6560, -61.9484, 36.2587



117.7970, 37.5681, -103.3080

# Complementary

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



133.6250, 36.1739, 64.3499



155.3750, -36.1739, -64.3499

# 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.



109.4580, 8.1552, -95.9947



133.6250, 36.1739, 64.3499



117.3740, -57.8654, -13.4830

# Square

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



133.6250, 36.1739, 64.3499



123.2840, -60.7790, 81.3119



99.0160, -21.6999, -86.8370



120.9040, 62.1653, -106.0328



# Rectangle

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



133.6250, 36.1739, 64.3499



118.2070, -9.9621, 115.5825



99.0160, -21.6999, -86.8370



115.2890, 27.9585, -101.1085

# Sweetspot

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



133.6250, 36.1739, 64.3499



227.9980, 13.3120, 23.6808



96.2500, 54.5998, -12.4972



110.9770, 8.3923, 14.9292



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



133.6250, 36.1739, 64.3499



146.9920, 53.2479, 94.7230



126.5570, 9.0924, 70.5485



98.5430, 3.1833, 5.6628



69.3840, 48.6177, 86.4862



16.9330, 11.8650, 21.1068



# Inverse Universe

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



133.6250, 36.1739, 64.3499



146.9920, 53.2479, 94.7230



162.5570, -8.6556, -70.6485



98.5430, 3.1833, 5.6628



69.3840, 48.6177, 86.4862



16.9330, 11.8650, 21.1068



# Previews

## White Background



This preview shows how the YUV color 133.6250, 36.1739, 64.3499 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

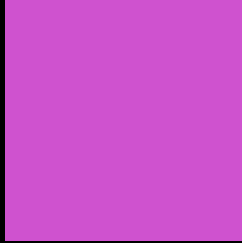
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 133.6250, 36.1739, 64.3499 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

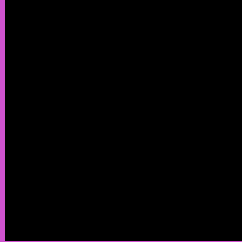
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 133.6250, 36.1739, 64.3499

## Background



This preview shows how black text looks on a background with the YUV color 133.6250, 36.1739, 64.3499.



This preview shows how white text looks on a background with the YUV color 133.6250, 36.1739, 64.3499.



# 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

133.6250, 36.1739, 64.3499

### Protanopia

126.1530, 61.5496, -48.3692

### Deuteranopia

132.6360, 32.2245, -22.4828



## Tritanopia

135.2240, -9.4774, 53.3006

# Trichromacy



## Original Color

133.6250, 36.1739, 64.3499



## Protanomaly

129.0010, 52.2575, -7.8939



## Deuteranomaly

132.5890, 33.7266, 9.1304



## Tritanomaly

134.8990, 6.9518, 57.0936

# Monochromacy



## Original Color

133.6250, 36.1739, 64.3499



## Achromatopsia

134.0000, 0.0000, 0.0000



## Achromatomaly

133.9980, 13.3120, 23.6808

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 133.6250, 36.1739, 64.3499 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(207, 82, 207)` looks like.

```
.text, #text, p{  
    color:rgb(207, 82, 207)  
}
```

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(207, 82, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 82, 207) }
```

## Border

The CSS property to change the border of an element to YUV 133.6250, 36.1739, 64.3499 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(207, 82, 207) }
```



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

```
.border{ border-color:rgb(207, 82, 207) }
```

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

Here you see how a box with a 4 pixel rgb(207, 82, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 82, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 82, 207);  
box-shadow:4px 4px 4px 4px rgb(207, 82,  
207) }
```

# Background

The CSS property to change the background color of an element to YUV 133.6250, 36.1739, 64.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 82, 207) }
```

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

```
.background{ background-color: rgb(207, 82,  
207) }
```

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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