

# Converting Colors

YUV(113.0150, 41.4046,  
66.6388)

Have a look what the booklet for  
YUV(113.0150, 41.4046, 66.6388)  
contains.

<b>YUV(113.0150, 41.4046, 66.6388)</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(113.0150, 41.4046,  
66.6388)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD3AC5
RGB	189, 58, 197
RGB Percent	74%, 23%, 77%
CMY	0.2588, 0.7725, 0.2275
CMYK	0.04, 0.71, 0.00, 0.23
HSL	297°, 55%, 50%
HSV	297°, 71%, 77%
XYZ	32.5774, 17.8761, 54.5567
YIQ	113.0150, 33.4570, 71.0010

# Conversions

## Conversions Part 2

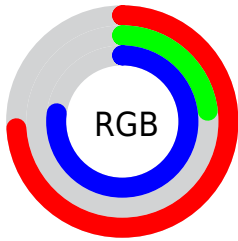
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 58, 197
Decimal	12401349
CIE <sub>Lab</sub>	49.35, 68.25, -46.19
CIE <sub>LCh</sub>	49, 82.412, 325.914
Yxy	17.8761, 0.3102, 0.1702
Android (android.graphics.Color)	4290591429 (0xFFBD3AC5)
YUV	113.0150, 41.4046, 66.6388
Hunter-Lab	42.2802, 63.5459, -46.9094

# Details

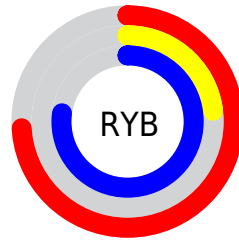
The YUV color **113.0150, 41.4046, 66.6388** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **141.9850, -41.4046, -66.6388**, and the grayscale version is **113.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **171.7870, 40.5310, 66.8388**, and **55.6560, 42.5676, 66.9537** is the 20% darker color. If you saturate the color by 10%, you get **100.9760, 47.3398, 76.3200**, and if you desaturate by 10%, it is **125.0540, 35.4694, 56.9576**.

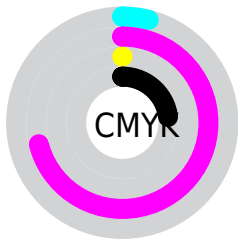
# Distribution



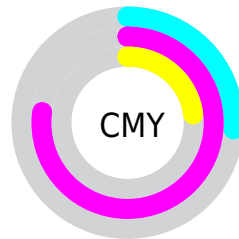
- Red (74%)
- Green (23%)
- Blue (77%)



- Red (74%)
- Yellow (23%)
- Blue (77%)



- Cyan (4%)
- Magenta (71%)
- Yellow (0%)
- Black (23%)



- Cyan (26%)
- Magenta (77%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 113.0150, 41.4046, 66.6388 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 113.0150, 41.4046, 66.6388 by changing the saturation by 10% instead.



■ 113.0150, 41.4046,  
66.6388

■ 113.0150, 41.4046,  
66.6388

255.0000, 0.0000,  
0.0000

■ 78.8460, 44.4459,  
71.1721

■ 171.7870, 40.5310,  
66.8388

■ 55.6560, 42.5676,  
66.9537

■ 190.4300, 31.8330,  
56.6279

■ 44.3200, 35.3382,  
52.3394

■ 207.4530, 23.4407,  
41.6987

■ 33.0980, 28.5457,  
37.6251

■ 224.4760, 15.0483,  
26.7695

■ 23.1860, 21.6003,  
25.2699

■ 241.4990, 6.6560,  
11.8404

■ 10.3980, 16.5658,  
6.6670

■ 3.0950, 9.3202,

-2.7143

■ 0.0000, 0.0000,  
0.0000

■ 113.0150, 41.4046,  
66.6388

■ 113.0150, 41.4046,  
66.6388

■ 100.9760, 47.3398,  
76.3200

■ 125.0540, 35.4694,  
56.9576

■ 89.5240, 52.9857,  
85.4865

■ 136.5060, 29.8235,  
47.7912

■ 78.0720, 58.6315,  
94.6529

■ 148.5450, 23.8883,  
38.1100

■ 160.8830, 17.8057,  
29.0436

■ 172.9220, 11.8705,  
19.3624

■ 184.3740, 6.2246,  
10.1960

■ 196.4130, 0.2894,  
0.5148

■ 208.4520, -5.6458,  
-9.1664

■ 219.9040,  
-11.2917, -18.3328

# Harmonies

## Analogous

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



111.1150, 66.0053, -30.7959



113.0150, 41.4046, 66.6388



83.8890, 22.7327, 129.0163

# Triad

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



113.0150, 41.4046, 66.6388



110.3060, -54.3809, 35.6886



105.8800, 35.0622, -92.8568

# Complementary

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



113.0150, 41.4046, 66.6388



141.9850, -41.4046, -66.6388

# 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.



97.0850, 3.9021, -85.1435



113.0150, 41.4046, 66.6388



101.7140, -50.1450, -16.4122

# Square

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



113.0150, 41.4046, 66.6388



106.1840, -52.3487, 84.0306



85.6170, -29.8842, -75.0861



110.0300, 61.1172, -96.4963



# Rectangle

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



113.0150, 41.4046, 66.6388



79.8410, 2.0504, 136.0744



85.6170, -29.8842, -75.0861



103.2580, 25.0158, -90.5573

# Sweetspot

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



113.0150, 41.4046, 66.6388



222.4050, 16.0693, 25.9548



79.1290, 58.1104, -18.5301



108.6180, 9.5553, 15.2440



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.



113.0150, 41.4046, 66.6388



124.0330, 64.5667, 104.3341



108.5670, 14.0175, 77.5557



93.7170, 2.6045, 4.6332



64.6280, 48.4974, 78.3792



14.2700, 10.7129, 17.3032



# Inverse Universe

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



100.4730, -16.9952, 84.6542



104.3650, -26.3089, 132.1069



146.4330, -14.0175, -77.5557



92.6910, -1.3267, 5.5330



49.7630, -20.0962, 99.3088



10.9920, -4.4331, 21.9320



# Previews

## White Background



This preview shows how the YUV color 113.0150, 41.4046, 66.6388 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

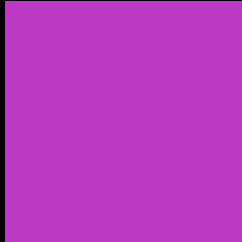
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 113.0150, 41.4046, 66.6388 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

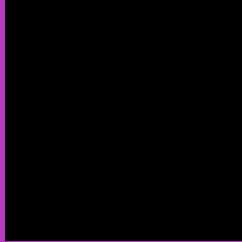
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 113.0150, 41.4046, 66.6388

## Background



This preview shows how black text looks on a background with the YUV color 113.0150, 41.4046, 66.6388.



This preview shows how white text looks on a background with the YUV color 113.0150, 41.4046, 66.6388.



# 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

113.0150, 41.4046, 66.6388

### Protanopia

94.5060, 72.7145, -82.8818

### Deuteranopia

113.9060, 36.0353, -31.4896



## Tritanopia

118.0990, -9.9088, 51.6562

# Trichromacy



## Original Color

113.0150, 41.4046, 66.6388



## Protanomaly

101.5730, 61.3425, -28.5665



## Deuteranomaly

113.4080, 38.2529, 4.0272



## Tritanomaly

116.3550, 8.6990, 56.6937

# Monochromacy



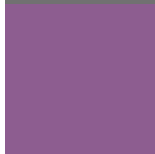
## Original Color

113.0150, 41.4046, 66.6388



## Achromatopsia

113.0000, 0.0000, 0.0000



## Achromatomaly

113.1660, 15.2012, 24.4104

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 113.0150, 41.4046, 66.6388 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(189, 58, 197)` looks like.

```
.text, #text, p{  
    color:rgb(189, 58, 197)  
}
```

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(189, 58, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 58, 197) }
```

## Border

The CSS property to change the border of an element to YUV 113.0150, 41.4046, 66.6388 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(189, 58, 197) }
```



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

```
.border{ border-color:rgb(189, 58, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 58, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 58, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 58, 197); box-shadow:4px 4px 4px 4px rgb(189, 58, 197) }
```

# Background

The CSS property to change the background color of an element to YUV 113.0150, 41.4046, 66.6388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 58, 197) }
```

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

```
.background{ background-color: rgb(189, 58,  
197) }
```

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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