

# Converting Colors

YUV(152.5740, 36.6920,  
38.0846)

Have a look what the booklet for  
YUV(152.5740, 36.6920, 38.0846)  
contains.

<b>YUV(152.5740, 36.6920, 38.0846)</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(152.5740, 36.6920,  
38.0846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C474E3
RGB	196, 116, 227
RGB Percent	77%, 45%, 89%
CMY	0.2314, 0.5451, 0.1098
CMYK	0.14, 0.49, 0.00, 0.11
HSL	283°, 66%, 67%
HSV	283°, 49%, 89%
XYZ	42.8755, 29.7726, 76.1599
YIQ	152.5740, 12.0490, 51.4810

# Conversions

## Conversions Part 2

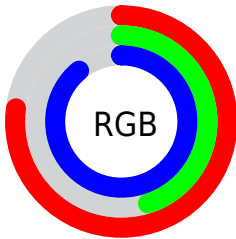
Format	Color
R <sub>Y</sub> B	196, 116, 227
Decimal	12874979
CIE Lab	61.46, 49.60, -43.99
CIE LCh	61, 66.294, 318.430
Yxy	29.7726, 0.2881, 0.2001
Android (android.graphics.Color)	4291065059 (0xFFC474E3)
YUV	152.5740, 36.6920, 38.0846
Hunter-Lab	54.5643, 44.7741, -44.5611

# Details

The YUV color **152.5740, 36.6920, 38.0846** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **190.4260, -36.6920, -38.0846**, and the grayscale version is **152.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **204.8060, 24.7456, 43.1431**, and **98.9220, 35.5345, 36.0254** is the 20% darker color. If you saturate the color by 10%, you get **137.2790, 44.2325, 46.2363**, and if you desaturate by 10%, it is **167.8690, 29.1516, 29.9329**.

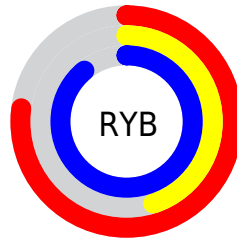
# Distribution



Red (77%)

Green (45%)

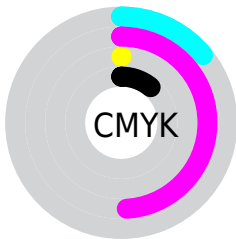
Blue (89%)



Red (77%)

Yellow (45%)

Blue (89%)

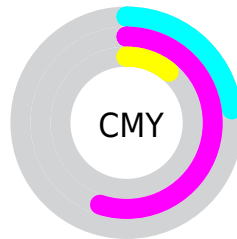


Cyan (14%)

Magenta (49%)

Yellow (0%)

Black (11%)



Cyan (23%)

Magenta (55%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 152.5740, 36.6920, 38.0846 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 152.5740, 36.6920, 38.0846 by changing the saturation by 10% instead.





 152.5740, 36.6920,  
38.0846


 152.5740, 36.6920,  
38.0846


255.0000, 0.0000,  
0.0000

 125.7480, 36.1132,  
37.0550


 204.8060, 24.7456,  
43.1431


 98.9220, 35.5345,  
36.0254


 221.5410, 16.4953,  
29.3435

 71.9220, 35.5345,  
36.0254

 238.5640, 8.1029,  
14.4144

 41.5140, 37.7076,  
39.0142

 28.5420, 31.7778,  
27.5887

 18.6300, 24.8324,  
15.2335

 5.1300, 19.6559,

-4.4990

■ 3.3230, 10.1938,  
-2.9143

■ 0.0000, 0.0000,  
0.0000

■ 152.5740, 36.6920,  
38.0846

■ 152.5740, 36.6920,  
38.0846

■ 137.2790, 44.2325,  
46.2363

■ 167.8690, 29.1516,  
29.9329

■ 122.2720, 51.6309,  
53.2585

■ 182.8760, 21.7531,  
22.9107

■ 106.9770, 59.1713,  
61.4102

■ 198.1710, 14.2127,  
14.7590

■ 91.6820, 66.7118,  
69.5619

■ 213.4660, 6.6723,  
6.6073

76.6750, 74.1102,  
76.5840

228.4730, -0.7262,  
-0.4148

74.9140, 74.9784,  
78.1284

243.7680, -8.2666,  
-8.5665

247.3230,  
-10.0192, -6.4223

249.4160,  
-11.0511, -2.1188

251.2100,  
-11.9355, 1.5698

# Harmonies

## Analogous

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



142.3240, 55.5493, -37.1181



152.5740, 36.6920, 38.0846



146.7850, 13.4170, 83.5036

# Triad

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



152.5740, 36.6920, 38.0846



140.2770, -63.7336, 48.8691



124.2880, 29.4380, -109.0006

# Complementary

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



152.5740, 36.6920, 38.0846



190.4260, -36.6920, -38.0846

# 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.



116.1600, 3.3721, -101.8723



152.5740, 36.6920, 38.0846



135.4690, -61.8562, 6.6047

# Square

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



152.5740, 36.6920, 38.0846



143.5500, -40.6972, 80.2016



126.6570, -30.3969, -50.5652



127.7540, 52.8723, -112.0403



# Rectangle

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



152.5740, 36.6920, 38.0846



143.1660, -4.5188, 96.3244



126.6570, -30.3969, -50.5652



122.0080, 20.7021, -107.0010

# Sweetspot

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



152.5740, 36.6920, 38.0846



229.4050, 12.6183, 12.7998



146.8510, 39.5135, -27.0563



112.4060, 7.6878, 7.5369



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.



152.5740, 36.6920, 38.0846



154.3920, 49.5997, 51.3992



159.1070, 21.6392, 59.5422



107.0590, 3.9149, 4.3333



58.9770, 59.1713, 61.4102



16.8770, 16.8226, 17.6479



# Inverse Universe

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



152.7230, -2.8214, 65.1409



154.6380, -3.7655, 88.0175



183.8930, -21.6392, -59.5422



106.9300, -0.4585, 7.0774



59.2210, -4.5460, 105.0462

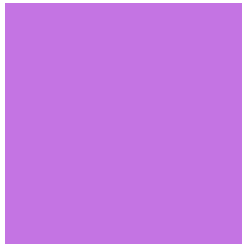


16.8450, -1.4026, 29.9539



# Previews

## White Background



This preview shows how the YUV color 152.5740, 36.6920, 38.0846 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

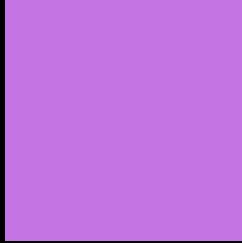
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 152.5740, 36.6920, 38.0846 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

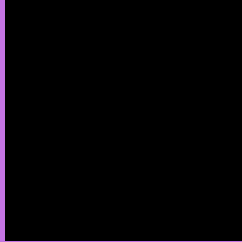
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 152.5740, 36.6920, 38.0846

## Background



This preview shows how black text looks on a background with the YUV color 152.5740, 36.6920, 38.0846.



This preview shows how white text looks on a background with the YUV color 152.5740, 36.6920,



# 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

152.5740, 36.6920, 38.0846

### Protanopia

144.4550, 53.5127, -37.2330

### Deuteranopia

147.0530, 36.4559, -26.3565



## Tritanopia

150.9050, -2.4182, 29.0243

# Trichromacy



## Original Color

152.5740, 36.6920, 38.0846



## Protanomaly

147.1380, 47.7530, -9.7680



## Deuteranomaly

148.9080, 36.5274, -2.5503



## Tritanomaly

151.2980, 11.6851, 32.1877

# Monochromacy



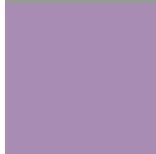
## Original Color

152.5740, 36.6920, 38.0846



## Achromatopsia

153.0000, 0.0000, 0.0000



## Achromatomaly

153.2310, 13.1971, 13.8294

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 152.5740, 36.6920, 38.0846 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(196, 116, 227)` looks like.

```
.text, #text, p{  
    color:rgb(196, 116, 227)  
}
```

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(196, 116, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 116, 227) }
```

## Border

The CSS property to change the border of an element to YUV 152.5740, 36.6920, 38.0846 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(196, 116, 227) }
```



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

```
.border{ border-color:rgb(196, 116, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 116, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 116, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 116, 227);  
box-shadow:4px 4px 4px 4px rgb(196, 116,  
227) }
```

# Background

The CSS property to change the background color of an element to YUV 152.5740, 36.6920, 38.0846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 116, 227) }
```

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

```
.background{ background-color: rgb(196,  
116, 227) }
```

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