

# Converting Colors

YUV(76.6740, 31.7127, 48.5209)

Have a look what the booklet for  
YUV(76.6740, 31.7127, 48.5209)  
contains.

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# Color

**YUV(76.6740, 31.7127,  
48.5209)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	84248D
RGB	132, 36, 141
RGB Percent	52%, 14%, 55%
CMY	0.4824, 0.8588, 0.4471
CMYK	0.06, 0.74, 0.00, 0.45
HSL	295°, 59%, 35%
HSV	295°, 74%, 55%
XYZ	14.9543, 8.0904, 25.9727
YIQ	76.6740, 23.5110, 53.0070

# Conversions

## Conversions Part 2

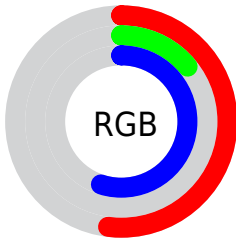
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	132, 36, 141
Decimal	8660109
CIE <sub>Lab</sub>	34.17, 53.68, -37.54
CIE <sub>LCh</sub>	34, 65.498, 325.034
Y <sub>xy</sub>	8.0904, 0.3051, 0.1651
Android (android.graphics.Color)	4286850189 (0xFF84248D)
YUV	76.6740, 31.7127, 48.5209
Hunter-Lab	28.4436, 44.0707, -34.2290

# Details

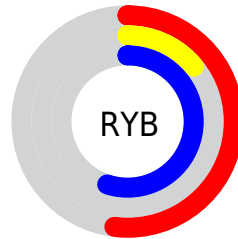
The YUV color **76.6740, 31.7127, 48.5209** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **100.3260, -31.7127, -48.5209**, and the grayscale version is **76.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **131.8590, 31.1285, 49.2357**, and **33.5820, 27.8141, 38.9546** is the 20% darker color. If you saturate the color by 10%, you get **68.1570, 35.9116, 55.1133**, and if you desaturate by 10%, it is **85.1910, 27.5138, 41.9285**.

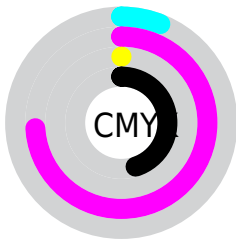
# Distribution



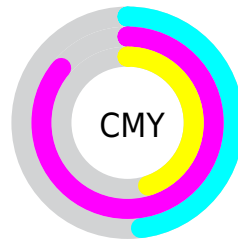
- Red (52%)
- Green (14%)
- Blue (55%)



- Red (52%)
- Yellow (14%)
- Blue (55%)



- Cyan (6%)
- Magenta (74%)
- Yellow (0%)
- Black (45%)



- Cyan (48%)
- Magenta (86%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 76.6740, 31.7127, 48.5209 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 76.6740, 31.7127, 48.5209 by changing the saturation by 10% instead.



76.6740, 31.7127,  
48.5209

76.6740, 31.7127,  
48.5209

255.0000, 0.0000,  
0.0000

44.5050, 34.7540,  
53.0541

131.8590, 31.1285,  
49.2357

33.5820, 27.8141,  
38.9546

159.5710, 31.2705,  
50.3652

23.3710, 21.0161,  
25.9846

187.3970, 31.8493,  
51.3948

12.9750, 14.8023,  
12.2999

206.8660, 23.7301,  
42.2135

2.9810, 8.8834,  
-2.6143

223.3020, 15.6271,  
27.7991

0.0000, 0.0000,  
0.0000

240.3250, 7.2348,

12.8700

■ 76.6740, 31.7127,  
48.5209

■ 76.6740, 31.7127,  
48.5209

■ 68.1570, 35.9116,  
55.1133

■ 85.1910, 27.5138,  
41.9285

■ 59.6400, 40.1105,  
61.7057

■ 93.7080, 23.3150,  
35.3361

■ 54.6450, 42.5730,  
65.2093

■ 102.5240, 18.9687,  
29.3585

■ 111.0410, 14.7698,  
22.7660

■ 120.1450, 10.2815,  
15.6588

■ 128.6620, 6.0826,  
9.0664

■ 137.1790, 1.8838,  
2.4740

■ 145.9950, -2.4625,  
-3.5036

■ 154.5120, -6.6614,  
-10.0960

# Harmonies

## Analogous

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



74.2990, 50.1386, -28.3262



76.6740, 31.7127, 48.5209



59.4100, 15.5739, 91.7254

# Triad

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



76.6740, 31.7127, 48.5209



75.7190, -37.3295, 26.5564



73.8960, 24.2083, -64.8068

# Complementary

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



76.6740, 31.7127, 48.5209



100.3260, -31.7127, -48.5209

# 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.



67.2670, 1.3474, -58.9932



76.6740, 31.7127, 48.5209



69.8730, -34.4474, -11.2896

# Square

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



76.6740, 31.7127, 48.5209



72.1070, -35.5488, 62.1732



57.7370, -25.0133, -50.6353



77.0370, 43.8588, -67.5614



# Rectangle

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



76.6740, 31.7127, 48.5209



56.7300, 0.1331, 97.5838



57.7370, -25.0133, -50.6353



71.9580, 16.7827, -63.1072

# Sweetspot

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



76.6740, 31.7127, 48.5209



158.7370, 12.4547, 18.6477



53.8400, 42.9699, -15.6457



77.3140, 7.2402, 11.1256



219.0000, 0.0000, 0.0000



92.0000, 0.0000, 0.0000



# Same Dimension

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



76.6740, 31.7127, 48.5209



83.5460, 49.5238, 75.8202



74.5770, 12.0405, 58.2530



66.8910, 2.0257, 3.6036



52.4660, 40.6893, 62.7353



3.0050, 2.4625, 3.5036



# Inverse Universe

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



68.4210, -11.5466, 63.6518



70.6320, -18.0596, 99.4237



102.4230, -12.0405, -58.2530



66.2070, -0.5951, 4.2035



41.7330, -14.6584, 81.7952



2.5060, -0.7425, 4.8182



# Previews

## White Background



This preview shows how the YUV color 76.6740, 31.7127, 48.5209 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 ✓ Pass



# Black Background



This preview shows how the YUV color 76.6740, 31.7127, 48.5209 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

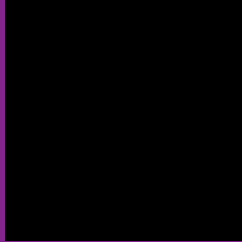
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 76.6740, 31.7127, 48.5209

## Background



This preview shows how black text looks on a background with the YUV color 76.6740, 31.7127, 48.5209.



This preview shows how white text looks on a background with the YUV color 76.6740, 31.7127,



# 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

76.6740, 31.7127, 48.5209

### Protanopia

65.4110, 50.0834, -57.3654

### Deuteranopia

77.7620, 27.7253, -26.1013



## Tritanopia

81.3960, -7.0972, 36.4867

# Trichromacy



## Original Color

76.6740, 31.7127, 48.5209



## Protanomaly

69.3450, 43.7069, -18.7196



## Deuteranomaly

77.3940, 29.3858, 1.4085



## Tritanomaly

79.5010, 7.1480, 40.7796

# Monochromacy



## Original Color

76.6740, 31.7127, 48.5209



## Achromatopsia

77.0000, 0.0000, 0.0000



## Achromatomaly

76.7970, 11.4391, 17.7180

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 76.6740, 31.7127, 48.5209 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(132, 36, 141)` looks like.

```
.text, #text, p{  
    color:rgb(132, 36, 141)  
}
```

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(132, 36, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 36, 141) }
```

## Border

The CSS property to change the border of an element to YUV 76.6740, 31.7127, 48.5209 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(132, 36, 141) }
```



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

```
.border{ border-color:rgb(132, 36, 141) }
```

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

Here you see how a box with a 4 pixel rgb(132, 36, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 36, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 36, 141);  
box-shadow:4px 4px 4px 4px rgb(132, 36,  
141) }
```

# Background

The CSS property to change the background color of an element to YUV 76.6740, 31.7127, 48.5209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 36, 141) }
```

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

```
.background{ background-color: rgb(132, 36,  
141) }
```

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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