

# Converting Colors

YUV(89.2100, 48.7035, 12.0938)

Have a look what the booklet for  
YUV(89.2100, 48.7035, 12.0938)  
contains.

<b>YUV(89.2100, 48.7035, 12.0938)</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(89.2100, 48.7035,  
12.0938)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	673FBC
RGB	103, 63, 188
RGB Percent	40%, 25%, 74%
CMY	0.5961, 0.7529, 0.2627
CMYK	0.45, 0.66, 0.00, 0.26
HSL	259°, 50%, 49%
HSV	259°, 66%, 74%
XYZ	16.4481, 10.0694, 48.6536
YIQ	89.2100, -16.2850, 47.3550

# Conversions

## Conversions Part 2

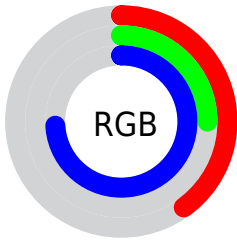
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	103, 63, 188
Decimal	6766524
CIE <sub>Lab</sub>	37.97, 46.02, -59.86
CIE <sub>LCh</sub>	38, 75.500, 307.552
Yxy	10.0694, 0.2188, 0.1340
Android (android.graphics.Color)	4284956604 (0xFF673FBC)
YUV	89.2100, 48.7035, 12.0938
Hunter-Lab	31.7323, 36.9920, -68.6938

# Details

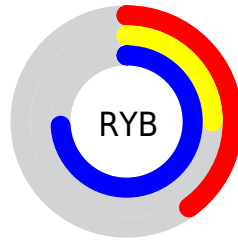
The YUV color **89.2100, 48.7035, 12.0938** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **161.7900, -48.7035, -12.0938**, and the grayscale version is **89.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **142.1010, 50.7292, 15.6974**, and **35.7640, 48.4303, 6.3460** is the 20% darker color. If you saturate the color by 10%, you get **74.1700, 56.1182, 13.8829**, and if you desaturate by 10%, it is **104.2500, 41.2888, 10.3048**.

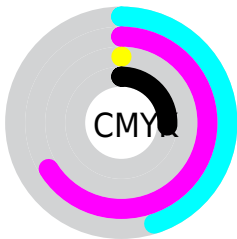
# Distribution



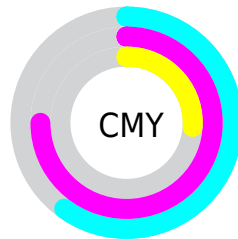
- Red (40%)
- Green (25%)
- Blue (74%)



- Red (40%)
- Yellow (25%)
- Blue (74%)



- Cyan (45%)
- Magenta (66%)
- Yellow (0%)
- Black (26%)



- Cyan (60%)
- Magenta (75%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 89.2100, 48.7035, 12.0938 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 89.2100, 48.7035, 12.0938 by changing the saturation by 10% instead.



89.2100, 48.7035,  
12.0938

89.2100, 48.7035,  
12.0938

255.0000, 0.0000,  
0.0000

63.2590, 47.6933,  
9.4199

142.1010, 50.7292,  
15.6974

35.7640, 48.4303,  
6.3460

167.1740, 43.2982,  
19.1414

12.3120, 47.1742,  
-10.7976

191.6940, 31.2099,  
23.0704

9.4620, 36.2542,  
-8.2982

217.1000, 18.6847,  
27.0993

10.1340, 23.5979,  
-8.8875

235.6290, 9.5499,  
16.9884

5.2780, 15.1459,  
-4.6288

252.6520, 1.1576,

1.2540, 4.8048,

2.0592

-1.0998

0.0000, 0.0000,  
0.0000

89.2100, 48.7035,  
12.0938

89.2100, 48.7035,  
12.0938

74.1700, 56.1182,  
13.8829

104.2500, 41.2888,  
10.3048

59.1300, 63.5329,  
15.6720

119.2900, 33.8740,  
8.5157

44.9760, 70.5108,  
17.5610

133.4440, 26.8961,  
6.6266

39.3720, 73.2736,  
18.0908

148.4840, 19.4814,  
4.8375

163.5240, 12.0667,  
3.0485

■ 178.5640, 4.6519,  
1.2594

■ 193.3050, -2.6154,  
-1.1445

■ 207.7580, -9.7407,  
-2.4188

■ 222.7980,  
-17.1554, -4.2078

# Harmonies

## Analogous

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



78.8730, 66.1246, -69.1716



89.2100, 48.7035, 12.0938



66.4480, 34.7821, 90.8151

# Triad

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



89.2100, 48.7035, 12.0938



83.5700, -41.2000, 54.7511



78.1870, 12.7258, -68.5700

# Complementary

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



89.2100, 48.7035, 12.0938



161.7900, -48.7035, -12.0938

# 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.



69.4890, -15.5241, -60.9419



89.2100, 48.7035, 12.0938



82.7080, -40.7750, 11.6571

# Square

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



89.2100, 48.7035, 12.0938



65.0360, -24.1747, 100.8234



64.9240, -32.0075, -47.2913



84.9130, 38.4969, -74.4687



# Rectangle

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



89.2100, 48.7035, 12.0938



67.2700, 14.6569, 105.8802



64.9240, -32.0075, -47.2913



75.6790, 3.1163, -66.3705

# Sweetspot

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



89.2100, 48.7035, 12.0938



206.3700, 19.0446, 4.9375



127.1450, 30.0015, -56.2552



98.9970, 11.3405, 2.6336



250.0000, 0.0000, 0.0000



122.0000, 0.0000, 0.0000



# Same Dimension

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



89.2100, 48.7035, 12.0938



90.1810, 76.3258, 19.1353



107.7480, 39.5642, 50.2100



86.9230, 3.4890, 0.9445



33.2610, 61.4963, 15.5571



6.5240, 12.0667, 3.0485



# Inverse Universe

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



110.0650, 18.7020, 68.3490



122.7660, 29.2024, 107.1992



143.2520, -39.5642, -50.2100



88.3750, 1.2941, 4.9331



59.5540, 23.8839, 86.3371

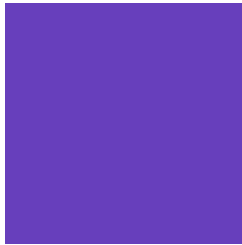


11.6630, 4.6031, 16.9585



# Previews

## White Background



This preview shows how the YUV color 89.2100, 48.7035, 12.0938 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

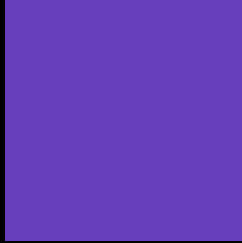
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 89.2100, 48.7035, 12.0938 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

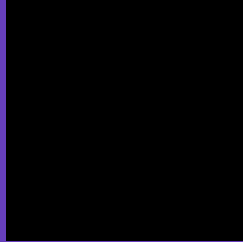
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 89.2100, 48.7035, 12.0938

## Background



This preview shows how black text looks on a background with the YUV color 89.2100, 48.7035, 12.0938.



This preview shows how white text looks on a background with the YUV color 89.2100, 48.7035,



# 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

89.2100, 48.7035, 12.0938

### Protanopia

71.3440, 55.0464, -62.5687

### Deuteranopia

72.0160, 42.3901, -63.1580



## Tritanopia

88.5090, 4.6791, -7.4624

# Trichromacy



## Original Color

89.2100, 48.7035, 12.0938

## Protanomaly

77.9390, 52.7811, -35.9035

## Deuteranomaly

77.8760, 44.9241, -35.8483

## Tritanomaly

88.7930, 20.8081, -0.6955

# Monochromacy



## Original Color

89.2100, 48.7035, 12.0938

## Achromatopsia

89.0000, 0.0000, 0.0000

## Achromatomaly

89.3160, 17.5922, 4.1079

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 89.2100, 48.7035, 12.0938 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(103, 63, 188)` looks like.

```
.text, #text, p{  
    color:rgb(103, 63, 188)  
}
```

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(103, 63, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 63, 188) }
```

## Border

The CSS property to change the border of an element to YUV 89.2100, 48.7035, 12.0938 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(103, 63, 188) }
```



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

```
.border{ border-color:rgb(103, 63, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 63, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 63, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 63, 188);  
box-shadow:4px 4px 4px 4px rgb(103, 63,  
188) }
```

# Background

The CSS property to change the background color of an element to YUV 89.2100, 48.7035, 12.0938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 63, 188) }
```

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

```
.background{ background-color: rgb(103, 63,  
188) }
```

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