

# Converting Colors

YUV(48.5290, 78.6192, 30.2311)

Have a look what the booklet for  
YUV(48.5290, 78.6192, 30.2311)  
contains.

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# Color

**YUV(48.5290, 78.6192,  
30.2311)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5300D0
RGB	83, 0, 208
RGB Percent	33%, 0%, 82%
CMY	0.6745, 1.0000, 0.1843
CMYK	0.60, 1.00, 0.00, 0.18
HSL	264°, 100%, 41%
HSV	264°, 100%, 82%
XYZ	14.9524, 6.3931, 60.1204
YIQ	48.5290, -17.3000, 82.2840

# Conversions

## Conversions Part 2

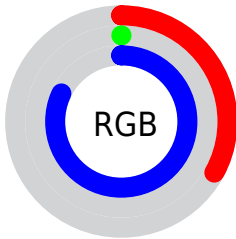
<b>Format</b>	<b>Color</b>
<b>RYB</b>	83, 0, 208
Decimal	5439696
CIELab	30.38, 69.99, -84.11
CIElCh	30, 109.418, 309.765
Yxy	6.3931, 0.1835, 0.0785
Android (android.graphics.Color)	4283629776 (0xFF5300D0)
YUV	48.5290, 78.6192, 30.2311
Hunter-Lab	25.2845, 61.3112, -123.2780

# Details

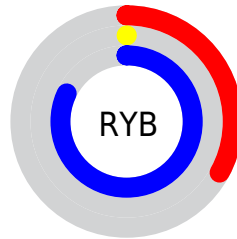
The YUV color **48.5290, 78.6192, 30.2311** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **159.4710, -78.6192, -30.2311**, and the grayscale version is **48.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **114.7000, 69.1679, 28.3271**, and **17.3280, 66.3933, -15.1967** is the 20% darker color. If you saturate the color by 10%, you get **48.5290, 78.6192, 30.2311**, and if you desaturate by 10%, it is **64.7430, 70.6257, 27.4124**.

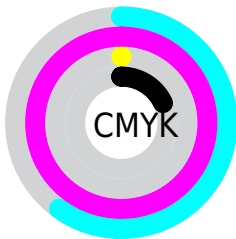
# Distribution



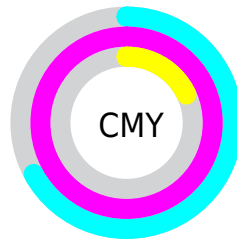
- Red (33%)
- Green (0%)
- Blue (82%)



- Red (33%)
- Yellow (0%)
- Blue (82%)



- Cyan (60%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)



- Cyan (67%)
- Magenta (100%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 48.5290, 78.6192, 30.2311 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 48.5290, 78.6192, 30.2311 by changing the saturation by 10% instead.



■ 48.5290, 78.6192,  
30.2311

■ 48.5290, 78.6192,  
30.2311

■ 255.0000, 0.0000,  
0.0000

■ 33.6760, 72.1377,  
9.0541

■ 114.7000, 69.1679,  
28.3271

■ 17.3280, 66.3933,  
-15.1967

■ 140.4050, 56.4953,  
32.9708

■ 14.2500, 54.5998,  
-12.4972

■ 165.5230, 44.1122,  
38.1293

■ 11.2860, 43.2430,  
-9.8978

■ 191.2280, 31.4396,  
42.7730

■ 13.7190, 29.7185,  
-12.0316

■ 212.1490, 21.1255,  
37.5803


■ 8.0480, 20.6823,  
-7.0581


■ 229.1720, 12.7332,


■ 4.3660, 11.6516,


22.6512


-3.8290


 246.1950, 4.3409,  
7.7220

 0.0000, 0.0000,  
0.0000


 48.5290, 78.6192,  
30.2311

 64.7430, 70.6257,  
27.4124

 80.6580, 62.7796,  
23.9789

 96.2850, 55.0755,  
21.6751

 112.2000, 47.2294,  
18.2416

 128.4140, 39.2359,  
15.4229

■ 144.3290, 31.3898,  
11.9895

■ 160.5430, 23.3963,  
9.1708

■ 175.8710, 15.8396,  
6.2521

■ 191.7860, 7.9935,  
2.8187

# Harmonies

## Analogous

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



75.3460, 85.6114, -66.0784



48.5290, 78.6192, 30.2311



69.8790, 31.1187, 99.2071

# Triad

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



48.5290, 78.6192, 30.2311



63.2470, -31.1808, 61.1734



68.2250, 15.1721, -59.8333

# Complementary

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



48.5290, 78.6192, 30.2311



159.4710, -78.6192, -30.2311

# 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.



55.7650, -27.4921, -48.9059



48.5290, 78.6192, 30.2311



64.3240, -31.7117, -2.0381

# Square

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



48.5290, 78.6192, 30.2311



54.4180, -26.8281, 111.8894



53.4170, -26.3346, -46.8467



79.5620, 50.9949, -69.7759



# Rectangle

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



48.5290, 78.6192, 30.2311



69.4750, 3.7098, 117.1014



53.4170, -26.3346, -46.8467



64.2180, 2.3575, -56.3192

# Sweetspot

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



48.5290, 78.6192, 30.2311



196.6340, 28.7744, 10.8450



98.8480, 53.8119, -86.6897



92.6260, 17.4394, 6.4670



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.



48.5290, 78.6192, 30.2311



59.5680, 96.3480, 37.2129



78.7280, 63.7311, 92.3235



96.4500, 4.2152, 1.3594



39.1850, 63.5058, 24.3938



9.4580, 15.5502, 5.7373



# Inverse Universe

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



76.4420, 23.9391, 115.3764



93.6870, 29.2413, 141.4715



129.2720, -63.7311, -92.3235



97.9730, 0.9993, 6.1627



61.7460, 19.3522, 93.1848

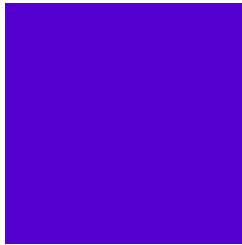


15.1090, 4.8763, 22.7064



# Previews

## White Background



This preview shows how the YUV color 48.5290, 78.6192, 30.2311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

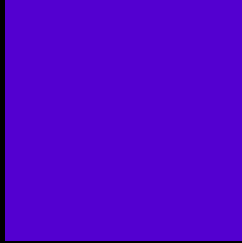
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 48.5290, 78.6192, 30.2311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

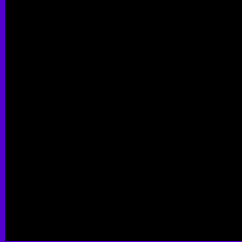
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 48.5290, 78.6192, 30.2311

## Background



This preview shows how black text looks on a background with the YUV color 48.5290, 78.6192, 30.2311.



This preview shows how white text looks on a background with the YUV color 48.5290, 78.6192,



# 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



### Deuteranopia

59.0900, 33.4796, -51.8219

### Tritanopia

64.3420, 11.1704, -36.2569

# Trichromacy



## Deuteranomaly

54.9300, 49.8275, -21.8636

## Tritanomaly

58.9130, 35.5389, -12.2017

# Monochromacy



## Achromatopsia

49.0000, 0.0000, 0.0000

## Achromatomaly

48.6340, 28.7744, 10.8450

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.5290, 78.6192, 30.2311 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(83, 0, 208)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 208)  
}
```

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(83, 0, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 208) }
```

## Border

The CSS property to change the border of an element to YUV 48.5290, 78.6192, 30.2311 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(83, 0, 208) }
```

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

```
.border{ border-color:rgb(83, 0, 208) }
```

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

Here you see how a box with a 4 pixel rgb(83, 0, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 0, 208);  
box-shadow:4px 4px 4px 4px rgb(83, 0, 208)  
}
```



# Background

The CSS property to change the background color of an element to YUV 48.5290, 78.6192, 30.2311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 208) }
```

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

```
.background{ background-color: rgb(83, 0,  
208) }
```

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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