

Converting Colors

YUV(58.8970, 80.4098, 15.8763)

Have a look what the booklet for
YUV(58.8970, 80.4098, 15.8763)
contains.

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Color

**YUV(58.8970, 80.4098,
15.8763)**

Conversions

Conversions Part 1

Format	Color
Hex	4D12DE
RGB	77, 18, 222
RGB Percent	30%, 7%, 87%
CMY	0.6980, 0.9294, 0.1294
CMYK	0.65, 0.92, 0.00, 0.13
HSL	257°, 85%, 47%
HSV	257°, 92%, 87%
XYZ	16.4617, 7.2843, 69.6456
YIQ	58.8970, -30.3200, 75.9520

Conversions

Conversions Part 2

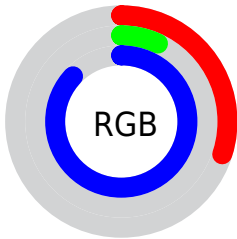
Format	Color
R_{YB}	77, 18, 222
Decimal	5051102
CIE _{Lab}	32.45, 69.89, -88.80
CIE _{LCh}	32, 113.001, 308.206
Yxy	7.2843, 0.1763, 0.0780
Android (android.graphics.Color)	4283241182 (0xFF4D12DE)
YUV	58.8970, 80.4098, 15.8763
Hunter-Lab	26.9895, 61.6409, -134.1036

Details

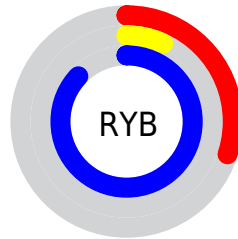
The YUV color **58.8970, 80.4098, 15.8763** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **181.1030, -80.4098, -15.8763**, and the grayscale version is **58.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **118.7980, 67.1476, 22.9792**, and **18.8100, 72.0717, -16.4964** is the 20% darker color. If you saturate the color by 10%, you get **44.4440, 87.5351, 17.1506**, and if you desaturate by 10%, it is **76.5950, 71.6847, 14.3872**.

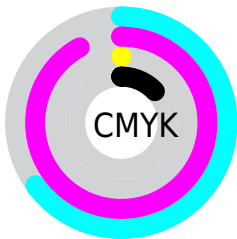
Distribution



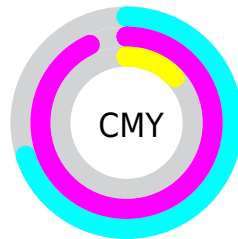
- Red (30%)
- Green (7%)
- Blue (87%)



- Red (30%)
- Yellow (7%)
- Blue (87%)



- Cyan (65%)
- Magenta (92%)
- Yellow (0%)
- Black (13%)



- Cyan (70%)
- Magenta (93%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the YUV color 58.8970, 80.4098, 15.8763 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 58.8970, 80.4098, 15.8763 by changing the saturation by 10% instead.

■ 58.8970, 80.4098,
15.8763

■ 58.8970, 80.4098,
15.8763

255.0000, 0.0000,
0.0000

■ 30.9720, 79.8798,
-0.8524

■ 118.7980, 67.1476,
22.9792

■ 18.8100, 72.0717,
-16.4964

■ 143.9160, 54.7644,
28.1377

■ 15.7320, 60.2781,
-13.7970

■ 169.3330, 42.2338,
33.9110

■ 12.6540, 48.4846,
-11.0976

■ 195.0380, 29.5613,
38.5547

■ 16.7340, 33.6551,
-14.6757

■ 216.2580, 19.0998,
33.9767

■ 10.4760, 24.9083,
-9.1875

■ 233.2810, 10.7075,

■ 6.0930, 15.7302,

19.0476

-5.3436

250.3040, 2.3151,
4.1184

2.4110, 6.6994,
-2.1144

0.0000, 0.0000,
0.0000

58.8970, 80.4098,
15.8763

58.8970, 80.4098,
15.8763

44.4440, 87.5351,
17.1506

76.5950, 71.6847,
14.3872

94.2930, 62.9596,
12.8980

112.2790, 54.0925,
10.2793

129.9770, 45.3673,
8.7902

■ 147.6750, 36.6422,
7.3010

■ 165.3730, 27.9171,
5.8119

■ 182.7720, 19.3394,
3.7080

■ 201.0570, 10.3249,
1.7040

■ 218.7550, 1.5998,
0.2149

Harmonies

Analogous

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



80.1390, 86.2065, -70.2819



58.8970, 80.4098, 15.8763



73.3400, 35.3284, 102.3108

Triad

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



58.8970, 80.4098, 15.8763



65.6500, -32.3654, 67.8360



71.8610, 13.8725, -63.0221

Complementary

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



58.8970, 80.4098, 15.8763



181.1030, -80.4098, -15.8763

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.



59.2870, -29.2285, -51.9947



58.8970, 80.4098, 15.8763



69.6620, -34.3434, 2.0504

Square

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



58.8970, 80.4098, 15.8763



58.0060, -28.5970, 119.2667



56.3520, -27.7815, -49.4207



83.6540, 51.4426, -73.3646

Rectangle

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



58.8970, 80.4098, 15.8763



73.6050, 6.6037, 122.2494



56.3520, -27.7815, -49.4207



67.7400, 0.6212, -59.4080

Sweetspot

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



58.8970, 80.4098, 15.8763



198.0740, 28.0645, 5.1971



126.9580, 46.8557, -95.5562



92.9030, 17.3028, 3.5931



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.



58.8970, 80.4098, 15.8763



51.1960, 100.4754, 19.9991



89.0960, 65.5217, 77.9688



103.1510, 4.3626, 0.7446



35.3130, 69.3587, 13.7575



9.6580, 18.9026, 3.8079

Inverse Universe

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



95.5260, 33.2647, 110.9177



96.8790, 41.4717, 138.6721



150.9040, -65.5217, -77.9688



105.2010, 1.8729, 5.9627



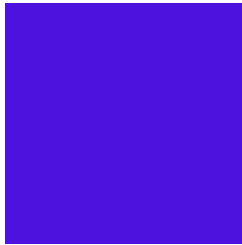
66.8740, 28.6561, 95.7035



18.2280, 7.7756, 26.1100

Previews

White Background



This preview shows how the YUV color 58.8970, 80.4098, 15.8763 looks on a white background.

Color Contrast Check

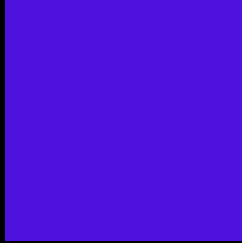
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.8970, 80.4098, 15.8763 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 58.8970, 80.4098, 15.8763

Background



This preview shows how black text looks on a background with the YUV color 58.8970, 80.4098, 15.8763.



This preview shows how white text looks on a background with the YUV color 58.8970, 80.4098,

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

58.8970, 80.4098, 15.8763

Protanopia

61.1080, 46.2888, -53.5917

Deuteranopia

61.4210, 34.7954, -53.8662



Tritanopia

60.2690, 15.1504, -52.8559

Trichromacy



Original Color

58.8970, 80.4098, 15.8763

Protanomaly

60.4760, 58.4323, -28.4815

Deuteranomaly

60.6410, 51.4490, -28.6262

Tritanomaly

60.0250, 38.9347, -28.0859

Monochromacy



Original Color

58.8970, 80.4098, 15.8763

Achromatopsia

59.0000, 0.0000, 0.0000

Achromatomaly

59.0140, 29.0801, 6.1267

CSS Examples

Text

The CSS property to change the color of the text to YUV 58.8970, 80.4098, 15.8763 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(77, 18, 222)` looks like.

```
.text, #text, p{  
    color:rgb(77, 18, 222)  
}
```

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(77, 18, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 18, 222) }
```

Border

The CSS property to change the border of an element to YUV 58.8970, 80.4098, 15.8763 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(77, 18, 222) }
```


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

```
.border{ border-color:rgb(77, 18, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 18, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 18, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 18, 222);  
box-shadow:4px 4px 4px 4px rgb(77, 18,  
222) }
```

Background

The CSS property to change the background color of an element to YUV 58.8970, 80.4098, 15.8763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 18, 222) }
```

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

```
.background{ background-color: rgb(77, 18,  
222) }
```

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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