

Converting Colors

YUV(86.9310, 58.7010, 25.4935)

Have a look what the booklet for
YUV(86.9310, 58.7010, 25.4935)
contains.

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Color

**YUV(86.9310, 58.7010,
25.4935)**

Conversions

Conversions Part 1

Format	Color
Hex	7431CE
RGB	116, 49, 206
RGB Percent	45%, 19%, 81%
CMY	0.5451, 0.8078, 0.1922
CMYK	0.44, 0.76, 0.00, 0.19
HSL	266°, 62%, 50%
HSV	266°, 76%, 81%
XYZ	19.4414, 10.3659, 59.3687
YIQ	86.9310, -10.4650, 63.0310

Conversions

Conversions Part 2

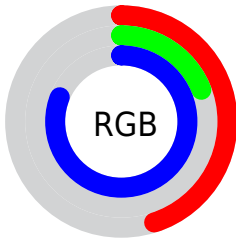
Format	Color
R _Y B	116, 49, 206
Decimal	7614926
CIE Lab	38.49, 59.72, -69.44
CIE LCh	38, 91.592, 310.698
Yxy	10.3659, 0.2180, 0.1162
Android (android.graphics.Color)	4285805006 (0xFF7431CE)
YUV	86.9310, 58.7010, 25.4935
Hunter-Lab	32.1961, 51.4428, -86.7919

Details

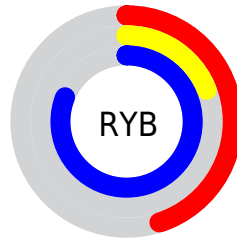
The YUV color **86.9310, 58.7010, 25.4935** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **168.0690, -58.7010, -25.4935**, and the grayscale version is **86.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **141.2690, 56.0694, 29.5821**, and **33.2460, 57.5597, 18.2013** is the 20% darker color. If you saturate the color by 10%, you get **71.0160, 66.5471, 28.9270**, and if you desaturate by 10%, it is **102.8460, 50.8549, 22.0601**.

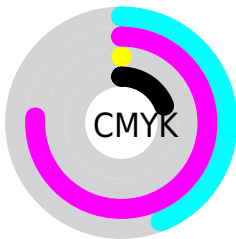
Distribution



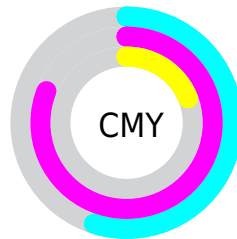
- Red (45%)
- Green (19%)
- Blue (81%)



- Red (45%)
- Yellow (19%)
- Blue (81%)



- Cyan (44%)
- Magenta (76%)
- Yellow (0%)
- Black (19%)



- Cyan (55%)
- Magenta (81%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the YUV color 86.9310, 58.7010, 25.4935 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 86.9310, 58.7010, 25.4935 by changing the saturation by 10% instead.

86.9310, 58.7010,
25.4935

86.9310, 58.7010,
25.4935

255.0000, 0.0000,
0.0000

56.5720, 59.8640,
25.8084

141.2690, 56.0694,
29.5821

33.2460, 57.5597,
18.2013

166.0880, 43.8336,
34.1258

16.5280, 52.9837,
-7.4791

190.9070, 31.5978,
38.6696

11.1720, 42.8062,
-9.7978

213.3230, 20.5468,
36.5507

8.9090, 31.5969,
-7.8132

230.3460, 12.1544,
21.6216

7.9340, 20.2455,
-6.9581

247.3690, 3.7621,

3.6650, 11.5042,

6.6924

-3.2142

■ 0.0000, 0.0000,
0.0000

■ 86.9310, 58.7010,
25.4935

■ 86.9310, 58.7010,
25.4935

■ 71.0160, 66.5471,
28.9270

■ 102.8460, 50.8549,
22.0601

■ 55.6880, 74.1038,
31.8456

■ 118.1740, 43.2982,
19.1414

■ 49.7960, 77.0086,
33.5049

■ 133.7900, 35.5995,
15.0932

■ 149.1180, 28.0428,
12.1745

■ 165.0330, 20.1967,
8.7411

■ 180.9480, 12.3506,
5.3076

■ 196.2760, 4.7939,
2.3889

■ 211.8920, -2.9048,
-1.6593

■ 227.2200,
-10.4615, -4.5779

Harmonies

Analogous

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



82.6520, 78.0656, -72.4858



86.9310, 58.7010, 25.4935



73.5960, 33.7232, 103.8403

Triad

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



86.9310, 58.7010, 25.4935



84.4670, -41.6422, 56.5954



82.6040, 16.9572, -72.4437

Complementary

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



86.9310, 58.7010, 25.4935



168.0690, -58.7010, -25.4935

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.



71.6090, -17.5552, -62.8011



86.9310, 58.7010, 25.4935



82.3650, -40.6059, 4.0649

Square

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



86.9310, 58.7010, 25.4935



57.7070, -28.4496, 118.6520



64.5700, -31.8330, -56.6279



90.6980, 47.9699, -79.5421

Rectangle

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



86.9310, 58.7010, 25.4935



73.3920, 9.6667, 119.8052



64.5700, -31.8330, -56.6279



79.0530, 5.8899, -69.3295

Sweetspot

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



86.9310, 58.7010, 25.4935



210.2010, 22.0859, 9.4707



120.9020, 41.9533, -63.0581



100.5890, 13.5136, 5.6224



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.



86.9310, 58.7010, 25.4935



79.0490, 86.7438, 37.6680



109.9540, 47.3507, 72.8313



94.3360, 3.7784, 1.4593



40.1530, 62.0426, 27.0528



9.1160, 14.2398, 6.0373

Inverse Universe

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



106.2030, 16.1689, 87.5220



107.5300, 23.8957, 129.3312



145.0460, -47.3507, -72.8313



95.6740, 1.1467, 5.5479



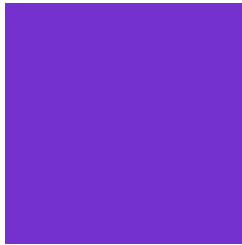
60.4640, 17.0262, 92.5551



13.8700, 4.0081, 21.1620

Previews

White Background



This preview shows how the YUV color 86.9310, 58.7010, 25.4935 looks on a white background.

Color Contrast Check

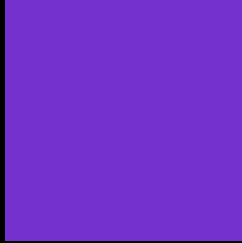
Large Text (above 18pt) WCAG AA ✓ Pass

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 86.9310, 58.7010, 25.4935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

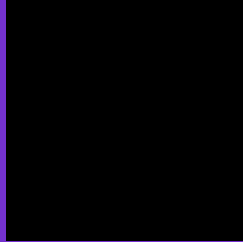
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 86.9310, 58.7010, 25.4935

Background



This preview shows how black text looks on a background with the YUV color 86.9310, 58.7010, 25.4935.



This preview shows how white text looks on a background with the YUV color 86.9310, 58.7010,

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

86.9310, 58.7010, 25.4935

Protanopia

72.7460, 55.3412, -63.7982

Deuteranopia

72.7170, 42.5375, -63.7728



Tritanopia

90.7980, 3.0576, -0.6998

Trichromacy



Original Color

86.9310, 58.7010, 25.4935

Protanomaly

77.9980, 56.6960, -31.5702

Deuteranomaly

77.8210, 48.4022, -31.4150

Tritanomaly

89.2440, 23.5437, 8.5560

Monochromacy



Original Color

86.9310, 58.7010, 25.4935

Achromatopsia

87.0000, 0.0000, 0.0000

Achromatomaly

86.9730, 21.2123, 9.6707

CSS Examples

Text

The CSS property to change the color of the text to YUV 86.9310, 58.7010, 25.4935 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(116, 49, 206)` looks like.

```
.text, #text, p{  
    color:rgb(116, 49, 206)  
}
```

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(116, 49, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 49, 206) }
```

Border

The CSS property to change the border of an element to YUV 86.9310, 58.7010, 25.4935 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(116, 49, 206) }
```


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

```
.border{ border-color:rgb(116, 49, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 49, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 49, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 49, 206);  
box-shadow:4px 4px 4px 4px rgb(116, 49,  
206) }
```

Background

The CSS property to change the background color of an element to YUV 86.9310, 58.7010, 25.4935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 49, 206) }
```

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

```
.background{ background-color: rgb(116, 49,  
206) }
```

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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