

Converting Colors

YUV(80.4880, -23.4116,
42.5450)

Have a look what the booklet for
YUV(80.4880, -23.4116, 42.5450)
contains.

YUV(80.4880, -23.4116, 42.5450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(80.4880, -23.4116,
42.5450)**

Conversions

Conversions Part 1

Format	Color
Hex	814121
RGB	129, 65, 33
RGB Percent	51%, 25%, 13%
CMY	0.4941, 0.7451, 0.8706
CMYK	0.00, 0.50, 0.74, 0.49
HSL	20°, 59%, 32%
HSV	20°, 74%, 51%
XYZ	11.2181, 8.5575, 2.4994
YIQ	80.4880, 48.4160, 3.6160

Conversions

Conversions Part 2

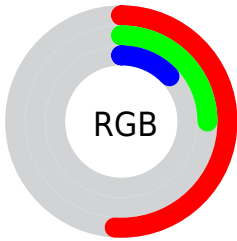
Format	Color
R_{YB}	129, 81, 33
Decimal	8470817
CIE Lab	35.12, 24.93, 31.29
CIE LCh	35, 40.008, 51.464
Yxy	8.5575, 0.5036, 0.3842
Android (android.graphics.Color)	4286660897 (0xFF814121)
YUV	80.4880, -23.4116, 42.5450
Hunter-Lab	29.2532, 17.2582, 15.4116

Details

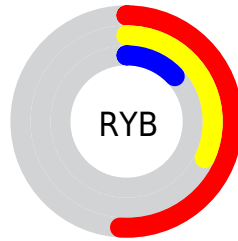
The YUV color **80.4880, -23.4116, 42.5450** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **81.5120, 23.4116, -42.5450**, and the grayscale version is **81.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **131.5380, -25.9012, 47.7632**, and **33.5780, -16.5540, 36.3271** is the 20% darker color. If you saturate the color by 10%, you get **73.7230, -26.4854, 48.4779**, and if you desaturate by 10%, it is **87.2530, -20.3377, 36.6121**.

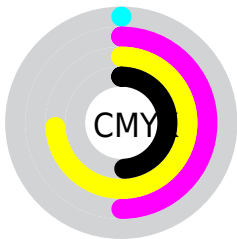
Distribution



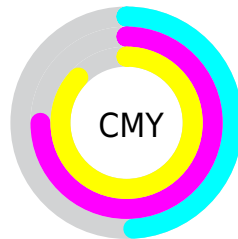
- Red (51%)
- Green (25%)
- Blue (13%)



- Red (51%)
- Yellow (32%)
- Blue (13%)



- Cyan (0%)
- Magenta (50%)
- Yellow (74%)
- Black (49%)



- Cyan (49%)
- Magenta (75%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YUV color 80.4880, -23.4116, 42.5450 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 80.4880, -23.4116, 42.5450 by changing the saturation by 10% instead.

80.4880, -23.4116,
42.5450

80.4880, -23.4116,
42.5450

255.0000, 0.0000,
0.0000

56.1070, -22.2378,
39.3712

131.5380,
-25.9012, 47.7632

33.5780, -16.5540,
36.3271

158.2070,
-27.2171, 49.8075

14.3520, -7.0755,
29.5093

185.4030,
-27.8067, 52.2666

2.9900, -1.4741,
6.1478

207.7930,
-26.0269, 41.4005

0.0000, 0.0000,
0.0000

227.3070,
-22.3364, 24.2868

247.5220,

-18.4983, 6.5582

253.0620, -7.4256,
1.6996

80.4880, -23.4116,
42.5450

80.4880, -23.4116,
42.5450

73.7230, -26.4854,
48.4779

87.2530, -20.3377,
36.6121

67.5450, -29.8487,
53.8960

93.4310, -16.9745,
31.1940

63.8120, -31.4593,
57.1699

100.1960,
-13.9006, 25.2611

106.3740,
-10.5374, 19.8430

113.1390, -7.4635,
13.9101

■ 119.7900, -4.8265,
8.0772

■ 125.9680, -1.4632,
2.6591

■ 132.7330, 1.6106,
-3.2738

■ 138.9110, 4.9739,
-8.6919

Harmonies

Analogous

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



80.5120, -9.6194, 52.1710



80.4880, -23.4116, 42.5450



79.2610, -32.6667, 24.3271

Triad

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



80.4880, -23.4116, 42.5450



65.1470, 3.3785, -57.1339



81.7080, 29.7240, -13.7759

Complementary

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



80.4880, -23.4116, 42.5450



81.5120, 23.4116, -42.5450

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.



68.8870, 38.0167, -60.4139



80.4880, -23.4116, 42.5450



69.4960, 17.5035, -60.9480

Square

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



80.4880, -23.4116, 42.5450



70.6160, -14.6007, -30.3582



70.8130, 30.1652, -62.1030



85.0780, 18.6955, 23.6106

Rectangle

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



80.4880, -23.4116, 42.5450



77.4610, -32.7653, 9.2427



70.8130, 30.1652, -62.1030



76.6240, 33.7094, -32.1192

Sweetspot

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



80.4880, -23.4116, 42.5450



149.6940, -9.2161, 16.0544



69.0000, 13.8040, 52.6200



73.2740, -5.5581, 9.4067



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000

Same Dimension

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



80.4880, -23.4116, 42.5450



92.3140, -36.1438, 66.3766



108.6640, -37.3024, 17.8347



60.8540, -1.9000, 2.7590



62.9260, -31.0225, 57.0699



0.0000, 0.0000, 0.0000

Inverse Universe

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



81.5120, 23.4116, -42.5450



94.0990, 36.4332, -65.8618



53.3360, 37.3024, -17.8347



60.7330, 1.6106, -3.2738



64.4870, 31.3119, -56.5551



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YUV color 80.4880, -23.4116, 42.5450 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 80.4880, -23.4116, 42.5450 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 80.4880, -23.4116, 42.5450

Background



This preview shows how black text looks on a background with the YUV color 80.4880, -23.4116, 42.5450.



This preview shows how white text looks on a background with the YUV color 80.4880, -23.4116,

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

80.4880, -23.4116, 42.5450

Protanopia

80.5610, -20.9826, 10.0320

Deuteranopia

80.7750, -25.5251, 20.3683



Tritanopia

82.5000, -8.1345, 42.5345

Trichromacy



Original Color

80.4880, -23.4116, 42.5450

Protanomaly

80.1110, -21.7467, 21.8277

Deuteranomaly

80.6450, -24.9680, 28.3753

Tritanomaly

81.4200, -13.5181, 42.6047

Monochromacy



Original Color

80.4880, -23.4116, 42.5450

Achromatopsia

80.0000, 0.0000, 0.0000

Achromatomaly

80.5090, -8.6319, 15.3396

CSS Examples

Text

The CSS property to change the color of the text to YUV 80.4880, -23.4116, 42.5450 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(129, 65, 33)` looks like.

```
.text, #text, p{  
    color:rgb(129, 65, 33)  
}
```

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(129, 65, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 65, 33) }
```

Border

The CSS property to change the border of an element to YUV 80.4880, -23.4116, 42.5450 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(129, 65, 33) }
```


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

```
.border{ border-color:rgb(129, 65, 33) }
```

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

Here you see how a box with a 4 pixel rgb(129, 65, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 65, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 65, 33);  
box-shadow:4px 4px 4px 4px rgb(129, 65,  
33) }
```

Background

The CSS property to change the background color of an element to YUV 80.4880, -23.4116, 42.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 65, 33) }
```

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

```
.background{ background-color: rgb(129, 65,  
33) }
```

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