

Converting Colors

YUV(80.8510, 63.1775,
-10.3933)

Have a look what the booklet for
YUV(80.8510, 63.1775, -10.3933)
contains.

YUV(80.8510, 63.1775, -10.3933)	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(80.8510, 63.1775,
-10.3933)**

Conversions

Conversions Part 1

Format	Color
Hex	453ED1
RGB	69, 62, 209
RGB Percent	27%, 24%, 82%
CMY	0.7294, 0.7569, 0.1804
CMYK	0.67, 0.70, 0.00, 0.18
HSL	243°, 62%, 53%
HSV	243°, 70%, 82%
XYZ	15.6855, 9.3139, 61.2926
YIQ	80.8510, -43.0150, 47.2010

Conversions

Conversions Part 2

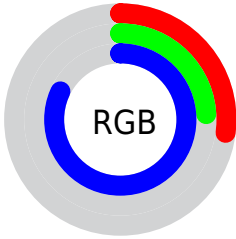
Format	Color
R_{YB}	69, 62, 209
Decimal	4538065
CIE _{Lab}	36.58, 47.61, -74.48
CIE _{LCh}	37, 88.397, 302.589
Yxy	9.3139, 0.1818, 0.1079
Android (android.graphics.Color)	4282728145 (0xFF453ED1)
YUV	80.8510, 63.1775, -10.3933
Hunter-Lab	30.5187, 38.3347, -97.7128

Details

The YUV color **80.8510, 63.1775, -10.3933** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **190.1490, -63.1775, 10.3933**, and the grayscale version is **80.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **134.2930, 59.5086, -0.2570**, and **26.8340, 62.1998, -23.5334** is the 20% darker color. If you saturate the color by 10%, you get **62.5440, 72.2028, -11.8781**, and if you desaturate by 10%, it is **99.1580, 54.1521, -8.9086**.

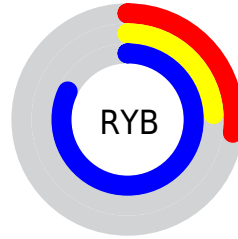
Distribution



Red (27%)

Green (24%)

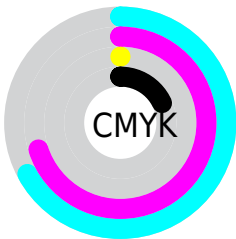
Blue (82%)



Red (27%)

Yellow (24%)

Blue (82%)

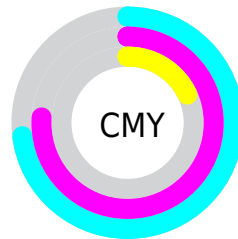


Cyan (67%)

Magenta (70%)

Yellow (0%)

Black (18%)



Cyan (73%)

Magenta (76%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the YUV color 80.8510, 63.1775, -10.3933 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 80.8510, 63.1775, -10.3933 by changing the saturation by 10% instead.

■ 80.8510, 63.1775,
-10.3933

■ 80.8510, 63.1775,
-10.3933

■ 255.0000, 0.0000,
0.0000

■ 50.4040, 64.3838,
-24.0333

■ 134.2930, 59.5086,
-0.2570

■ 26.8340, 62.1998,
-23.5334

■ 158.5250, 47.5622,
4.8016

■ 14.3640, 55.0365,
-12.5972

■ 183.6430, 35.1790,
9.9601

■ 11.4000, 43.6798,
-9.9978

■ 208.4620, 22.9432,
14.5038

■ 13.8330, 30.1553,
-12.1315

■ 233.8680, 10.4181,
18.5328

■ 8.2760, 21.5559,
-7.2581

■ 250.8910, 2.0257,

■ 4.5940, 12.5252,

3.6036

-4.0289

■ 0.0000, 0.0000,
0.0000

■ 80.8510, 63.1775,
-10.3933

■ 80.8510, 63.1775,
-10.3933

■ 62.5440, 72.2028,
-11.8781

■ 99.1580, 54.1521,
-8.9086

■ 44.2370, 81.2282,
-13.3628

■ 117.4650, 45.1268,
-7.4238

■ 26.8160, 89.8167,
-14.7476

■ 135.7720, 36.1014,
-5.9390

■ 154.0790, 27.0761,
-4.4543

■ 172.3860, 18.0507,
-2.9695

■ 189.8070, 9.4621,
-1.5847

■ 208.1140, 0.4368,
-0.1000

■ 226.4210, -8.5886,
1.3848

■ 244.7280,
-17.6139, 2.8695

Harmonies

Analogous

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



82.8000, 73.5556, -72.6156



80.8510, 63.1775, -10.3933



68.2720, 41.7709, 89.2155

Triad

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



80.8510, 63.1775, -10.3933



76.8690, -37.8964, 68.5209



75.5310, 7.6262, -66.2407

Complementary

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



80.8510, 63.1775, -10.3933



190.1490, -63.1775, 10.3933

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.



64.0970, -31.1068, -56.2131



80.8510, 63.1775, -10.3933



80.6810, -39.7757, 17.8198

Square

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



80.8510, 63.1775, -10.3933



58.8900, -22.6238, 116.7375



59.8740, -29.5179, -52.5095



84.7990, 38.0601, -74.3687

Rectangle

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



80.8510, 63.1775, -10.3933



70.8020, 17.8456, 109.7986



59.8740, -29.5179, -52.5095



72.6810, -3.2937, -63.7412

Sweetspot

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



80.8510, 63.1775, -10.3933



208.0530, 23.1449, -3.5545



162.1120, 23.1158, -87.7982



99.9470, 13.8301, -2.5845



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.



80.8510, 63.1775, -10.3933



68.3860, 92.0007, -15.2475



102.0800, 52.7116, 33.2558



95.5530, 4.6574, -0.4850



21.5440, 72.2028, -11.8781



5.2720, 17.6139, -2.8695

Inverse Universe

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



121.9130, 39.4829, 76.3753



128.2420, 57.5617, 111.1668



168.9200, -52.7116, -33.2558



98.4290, 2.7465, 5.7628



68.4720, 45.1233, 87.2861



16.7050, 10.9914, 21.3067

Previews

White Background



This preview shows how the YUV color 80.8510, 63.1775, -10.3933 looks on a white background.

Color Contrast Check

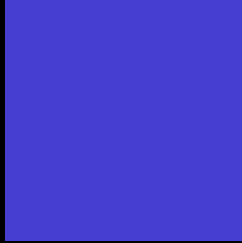
Large Text (above 18pt) WCAG AA ✓ Pass

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 80.8510, 63.1775, -10.3933 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 80.8510, 63.1775, -10.3933

Background



This preview shows how black text looks on a background with the YUV color 80.8510, 63.1775, -10.3933.



This preview shows how white text looks on a background with the YUV color 80.8510, 63.1775,

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

80.8510, 63.1775, -10.3933

Protanopia

68.5570, 51.9834, -60.1245

Deuteranopia

68.6420, 39.6165, -60.1990



Tritanopia

67.3930, 17.0613, -59.1037

Trichromacy



Original Color

80.8510, 63.1775, -10.3933

Protanomaly

72.8180, 56.2917, -41.9364

Deuteranomaly

73.3420, 48.1454, -42.3959

Tritanomaly

72.2700, 33.8839, -41.4558

Monochromacy



Original Color

80.8510, 63.1775, -10.3933

Achromatopsia

81.0000, 0.0000, 0.0000

Achromatomaly

81.0530, 23.1449, -3.5545

CSS Examples

Text

The CSS property to change the color of the text to YUV 80.8510, 63.1775, -10.3933 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(69, 62, 209)` looks like.

```
.text, #text, p{  
    color:rgb(69, 62, 209)  
}
```

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(69, 62, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 62, 209) }
```

Border

The CSS property to change the border of an element to YUV 80.8510, 63.1775, -10.3933 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(69, 62, 209) }
```


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

```
.border{ border-color:rgb(69, 62, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 62, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 62, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 62, 209);  
box-shadow:4px 4px 4px 4px rgb(69, 62,  
209) }
```

Background

The CSS property to change the background color of an element to YUV 80.8510, 63.1775, -10.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 62, 209) }
```

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

```
.background{ background-color: rgb(69, 62,  
209) }
```

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