

Converting Colors

YUV(80.6420, 33.2075,
-11.0870)

Have a look what the booklet for
YUV(80.6420, 33.2075, -11.0870)
contains.

YUV(80.6420, 33.2075, -11.0870)	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(80.6420, 33.2075,
-11.0870)**

Conversions

Conversions Part 1

Format	Color
Hex	444A94
RGB	68, 74, 148
RGB Percent	27%, 29%, 58%
CMY	0.7333, 0.7098, 0.4196
CMYK	0.54, 0.50, 0.00, 0.42
HSL	236°, 37%, 42%
HSV	236°, 54%, 58%
XYZ	10.1780, 8.2646, 29.0758
YIQ	80.6420, -27.3300, 21.7420

Conversions

Conversions Part 2

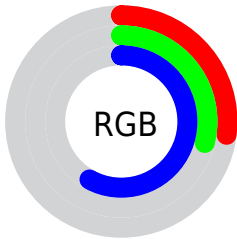
Format	Color
RYB	68, 74, 148
Decimal	4475540
CIELab	34.53, 19.64, -41.67
CIELCh	35, 46.071, 295.235
Yxy	8.2646, 0.2142, 0.1739
Android (android.graphics.Color)	4282665620 (0xFF444A94)
YUV	80.6420, 33.2075, -11.0870
Hunter-Lab	28.7483, 12.8863, -39.8417

Details

The YUV color **80.6420, 33.2075, -11.0870** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **135.3580, -33.2075, 11.0870**, and the grayscale version is **80.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **131.8210, 35.0912, -8.6130**, and **29.5540, 33.2509, -25.0419** is the 20% darker color. If you saturate the color by 10%, you get **67.9390, 39.4701, -13.1015**, and if you desaturate by 10%, it is **93.3450, 26.9449, -9.0726**.

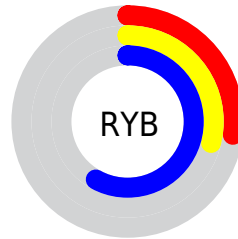
Distribution



Red (27%)

Green (29%)

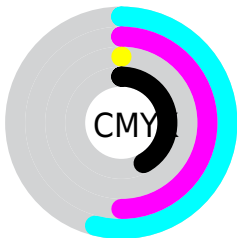
Blue (58%)



Red (27%)

Yellow (29%)

Blue (58%)

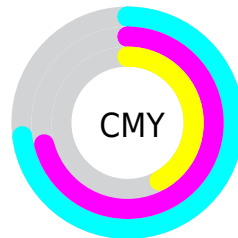


Cyan (54%)

Magenta (50%)

Yellow (0%)

Black (42%)



Cyan (73%)

Magenta (71%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the YUV color 80.6420, 33.2075, -11.0870 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 80.6420, 33.2075, -11.0870 by changing the saturation by 10% instead.

■ 80.6420, 33.2075,
-11.0870

■ 80.6420, 33.2075,
-11.0870

■ 255.0000, 0.0000,
0.0000

■ 56.3920, 32.3447,
-14.3758

■ 131.8210, 35.0912,
-8.6130

■ 29.5540, 33.2509,
-25.0419

■ 157.7610, 36.1068,
-7.6834

■ 13.4910, 28.8449,
-11.8316

■ 184.7180, 34.6490,
-6.7687

■ 7.9340, 20.2455,
-6.9581

■ 209.2380, 22.5607,
-2.8397

■ 3.6650, 11.5042,
-3.2142

■ 234.3450, 10.1829,
0.5744

■ 0.0000, 0.0000,
0.0000

■ 80.6420, 33.2075,
-11.0870

■ 80.6420, 33.2075,
-11.0870

■ 67.9390, 39.4701,
-13.1015

■ 93.3450, 26.9449,
-9.0726

■ 55.8230, 45.4433,
-15.6308

■ 105.4610, 20.9717,
-6.5433

■ 43.4190, 51.5584,
-17.0305

■ 117.8650, 14.8566,
-5.1436

■ 30.7160, 57.8210,
-19.0449

■ 130.5680, 8.5940,
-3.1291

■ 23.3290, 61.4628,
-20.4595

■ 142.6840, 2.6208,
-0.5999

■ 155.3870, -3.6418,
1.4146

■ 168.0900, -9.9044,
3.4291

■ 180.4940,

-16.0195, 4.8288

■ 192.6100,
-21.9927, 7.3580

Harmonies

Analogous

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



68.7390, 42.5267, -60.2841



80.6420, 33.2075, -11.0870



82.5890, 20.4156, 31.9324

Triad

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



80.6420, 33.2075, -11.0870



77.4300, -28.8060, 46.1039



65.9620, 3.9627, -57.8487

Complementary

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



80.6420, 33.2075, -11.0870



135.3580, -33.2075, 11.0870

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.



61.0650, -12.3570, -50.0460



80.6420, 33.2075, -11.0870



76.5830, -37.7554, 23.1677

Square

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



80.6420, 33.2075, -11.0870



76.8720, -12.2619, 59.7483



71.9880, -35.4901, -3.4975



70.2940, 20.5611, -61.6478

Rectangle

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



80.6420, 33.2075, -11.0870



79.7780, 10.4624, 51.0607



71.9880, -35.4901, -3.4975



63.8930, -1.4262, -56.0342

Sweetspot

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



80.6420, 33.2075, -11.0870



165.5940, 12.5252, -4.0289



123.2820, 8.7350, -48.4823



81.3400, 7.7204, -2.9292



224.0000, 0.0000, 0.0000



97.0000, 0.0000, 0.0000

Same Dimension

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



80.6420, 33.2075, -11.0870



86.4190, 51.5584, -17.0305



86.9870, 30.0794, 12.2894



67.7980, 3.0576, -0.6998



21.6020, 57.3842, -18.9450



1.7270, 4.0786, -1.5146

Inverse Universe

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



92.6040, -9.1718, 48.5823



105.1020, -14.3473, 75.3325



129.0130, -30.0794, -12.2894



69.0930, -1.0318, 4.3034



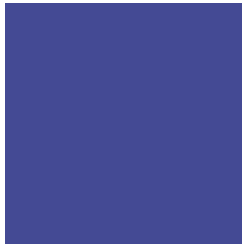
42.4020, -15.9742, 83.8394



3.1040, -1.0373, 6.0478

Previews

White Background



This preview shows how the YUV color 80.6420, 33.2075, -11.0870 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 80.6420, 33.2075, -11.0870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

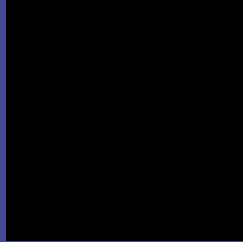
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 80.6420, 33.2075, -11.0870

Background



This preview shows how black text looks on a background with the YUV color 80.6420, 33.2075, -11.0870.



This preview shows how white text looks on a background with the YUV color 80.6420, 33.2075, -11.0870.

-11.0870.

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

80.6420, 33.2075, -11.0870

Protanopia

76.0740, 37.9245, -30.7599

Deuteranopia

68.0670, 38.4210, -50.0478



Tritanopia

76.4360, 8.6591, -24.0614

Trichromacy



Original Color

80.6420, 33.2075, -11.0870

Protanomaly

77.6620, 36.1556, -23.3826

Deuteranomaly

72.6990, 36.6304, -35.6930

Tritanomaly

77.8740, 17.8101, -19.1835

Monochromacy



Original Color

80.6420, 33.2075, -11.0870

Achromatopsia

81.0000, 0.0000, 0.0000

Achromatomaly

80.4800, 12.0884, -3.9290

CSS Examples

Text

The CSS property to change the color of the text to YUV 80.6420, 33.2075, -11.0870 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(68, 74, 148)` looks like.

```
.text, #text, p{  
    color:rgb(68, 74, 148)  
}
```

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(68, 74, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 74, 148) }
```

Border

The CSS property to change the border of an element to YUV 80.6420, 33.2075, -11.0870 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(68, 74, 148) }
```


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

```
.border{ border-color:rgb(68, 74, 148) }
```

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

Here you see how a box with a 4 pixel rgb(68, 74, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 74, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 74, 148);  
box-shadow:4px 4px 4px 4px rgb(68, 74,  
148) }
```

Background

The CSS property to change the background color of an element to YUV 80.6420, 33.2075, -11.0870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 74, 148) }
```

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

```
.background{ background-color: rgb(68, 74,  
148) }
```

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