

Converting Colors

YUV(80.2890, 31.9025,
-12.5315)

Have a look what the booklet for
YUV(80.2890, 31.9025, -12.5315)
contains.

YUV(80.2890, 31.9025, -12.5315)	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(80.2890, 31.9025,
-12.5315)**

Conversions

Conversions Part 1

Format	Color
Hex	424B91
RGB	66, 75, 145
RGB Percent	26%, 29%, 57%
CMY	0.7412, 0.7059, 0.4314
CMYK	0.54, 0.48, 0.00, 0.43
HSL	233°, 37%, 41%
HSV	233°, 54%, 57%
XYZ	9.8737, 8.2347, 27.8571
YIQ	80.2890, -27.8340, 19.8620

Conversions

Conversions Part 2

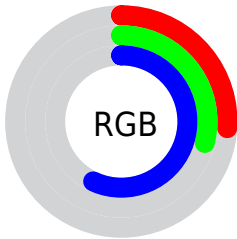
Format	Color
RYB	66, 74, 145
Decimal	4344721
CIELab	34.47, 17.51, -39.95
CIElCh	34, 43.624, 293.671
Yxy	8.2347, 0.2148, 0.1792
Android (android.graphics.Color)	4282534801 (0xFF424B91)
YUV	80.2890, 31.9025, -12.5315
Hunter-Lab	28.6962, 11.1991, -37.4689

Details

The YUV color **80.2890, 31.9025, -12.5315** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **130.7110, -31.9025, 12.5315**, and the grayscale version is **80.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **131.3540, 33.3495, -9.9575**, and **29.5000, 31.7985, -25.8715** is the 20% darker color. If you saturate the color by 10%, you get **68.4720, 37.7283, -14.4459**, and if you desaturate by 10%, it is **92.4050, 25.9293, -10.0022**.

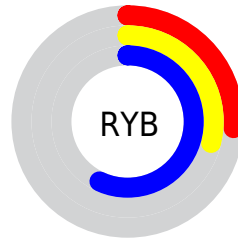
Distribution



Red (26%)

Green (29%)

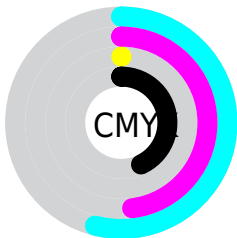
Blue (57%)



Red (26%)

Yellow (29%)

Blue (57%)

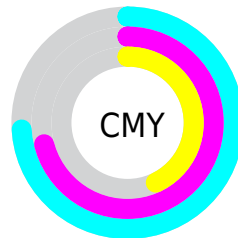


Cyan (54%)

Magenta (48%)

Yellow (0%)

Black (43%)



Cyan (74%)

Magenta (71%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the YUV color 80.2890, 31.9025, -12.5315 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 80.2890, 31.9025, -12.5315 by changing the saturation by 10% instead.

■ 80.2890, 31.9025,
-12.5315

■ 80.2890, 31.9025,
-12.5315

■ 255.0000, 0.0000,
0.0000

■ 56.0390, 31.0398,
-15.8202

■ 131.3540, 33.3495,
-9.9575

■ 29.5000, 31.7985,
-25.8715

■ 157.4080, 34.8019,
-9.1278

■ 13.8500, 27.6820,
-12.1464

■ 184.7070, 34.6544,
-8.5130

■ 7.7060, 19.3719,
-6.7582

■ 208.9280, 22.7135,
-5.1989

■ 3.4370, 10.6306,
-3.0142

■ 234.0350, 10.3357,
-1.7847

■ 0.0000, 0.0000,
0.0000

■ 80.2890, 31.9025,
-12.5315

■ 80.2890, 31.9025,
-12.5315

■ 68.4720, 37.7283,
-14.4459

■ 92.4050, 25.9293,
-10.0022

■ 56.3560, 43.7015,
-16.9752

■ 104.2220, 20.1036,
-8.0877

■ 44.5390, 49.5273,
-18.8897

■ 116.3380, 14.1304,
-5.5584

■ 33.0100, 55.2111,
-21.9338

■ 127.5680, 8.5940,
-3.1291

■ 26.5090, 58.4161,
-23.2484

■ 139.6840, 2.6208,
-0.5999

■ 151.5010, -3.2050,
1.3146

■ 163.6170, -9.1782,
3.8439

■ 175.4340,

-15.0040, 5.7584

■ 187.2510,
-20.8297, 7.6729

Harmonies

Analogous

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



68.1690, 40.3427, -59.7842



80.2890, 31.9025, -12.5315



83.3390, 19.5529, 28.6437

Triad

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



80.2890, 31.9025, -12.5315



78.2880, -26.7640, 44.4744



65.1470, 3.3785, -57.1339

Complementary

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



80.2890, 31.9025, -12.5315



130.7110, -31.9025, 12.5315

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.



65.6750, -14.1368, -39.1800



80.2890, 31.9025, -12.5315



76.2950, -37.6134, 24.2973

Square

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



80.2890, 31.9025, -12.5315



77.4910, -11.0881, 56.5744



72.8680, -33.4589, -1.6382



69.2510, 19.1033, -60.7331

Rectangle

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



80.2890, 31.9025, -12.5315



80.9300, 9.8945, 46.5424



72.8680, -33.4589, -1.6382



63.1920, -1.5737, -55.4194

Sweetspot

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



80.2890, 31.9025, -12.5315



164.1810, 12.2358, -4.5437



120.3530, 7.7140, -47.6676



79.2260, 7.2836, -2.8292



222.0000, 0.0000, 0.0000



94.0000, 0.0000, 0.0000

Same Dimension

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



80.2890, 31.9025, -12.5315



88.2400, 49.6747, -19.5045



83.9760, 30.0848, 10.5450



65.3850, 2.7682, -1.2146



24.1950, 54.6269, -21.2190



1.4990, 3.2050, -1.3146

Inverse Universe

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



90.6470, -7.7140, 47.6676



104.3730, -12.0159, 74.2179



127.0240, -30.0848, -10.5450



66.2070, -0.5951, 4.2035



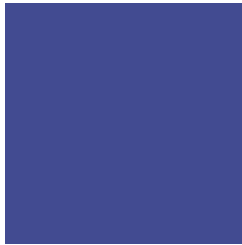
42.0750, -13.3480, 81.4952



2.5060, -0.7425, 4.8182

Previews

White Background



This preview shows how the YUV color 80.2890, 31.9025, -12.5315 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 80.2890, 31.9025, -12.5315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

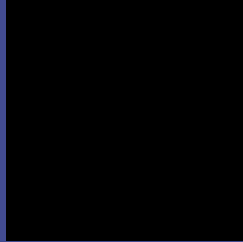
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 80.2890, 31.9025, -12.5315

Background



This preview shows how black text looks on a background with the YUV color 80.2890, 31.9025, -12.5315.



This preview shows how white text looks on a background with the YUV color 80.2890, 31.9025,

-12.5315.

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

80.2890, 31.9025, -12.5315

Protanopia

76.8140, 35.5877, -27.9009

Deuteranopia

71.6120, 35.1943, -41.7557



Tritanopia

76.1370, 8.8065, -24.6761

Trichromacy



Original Color

80.2890, 31.9025, -12.5315

Protanomaly

78.5050, 34.2610, -22.3679

Deuteranomaly

74.4500, 34.2882, -31.0897

Tritanomaly

78.0480, 17.2313, -20.2131

Monochromacy



Original Color

80.2890, 31.9025, -12.5315

Achromatopsia

80.0000, 0.0000, 0.0000

Achromatomaly

80.0670, 11.7990, -4.4438

CSS Examples

Text

The CSS property to change the color of the text to YUV 80.2890, 31.9025, -12.5315 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(66, 75, 145)` looks like.

```
.text, #text, p{  
    color:rgb(66, 75, 145)  
}
```

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(66, 75, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 75, 145) }
```

Border

The CSS property to change the border of an element to YUV 80.2890, 31.9025, -12.5315 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(66, 75, 145) }
```


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

```
.border{ border-color:rgb(66, 75, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 75, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 75, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 75, 145);  
box-shadow:4px 4px 4px 4px rgb(66, 75,  
145) }
```

Background

The CSS property to change the background color of an element to YUV 80.2890, 31.9025, -12.5315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 75, 145) }
```

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

```
.background{ background-color: rgb(66, 75,  
145) }
```

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