

Converting Colors

YUV(80.8200, -39.8443,
133.4619)

Have a look what the booklet for
YUV(80.8200, -39.8443, 133.4619)
contains.

YUV(80.8200, -39.8443, 133.4619)	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>	30

Color

**YUV(80.8200, -39.8443,
133.4619)**

Conversions

Conversions Part 1

Format	Color
Hex	E91300
RGB	233, 19, 0
RGB Percent	91%, 7%, 0%
CMY	0.0863, 0.9255, 1.0000
CMYK	0.00, 0.92, 1.00, 0.09
HSL	5°, 100%, 46%
HSV	5°, 100%, 91%
XYZ	33.8371, 17.7894, 1.6503
YIQ	80.8200, 133.6430, 39.4590

Conversions

Conversions Part 2

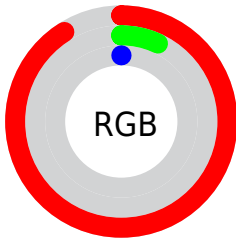
Format	Color
RYB	233, 21, 0
Decimal	15274752
CIE Lab	49.24, 73.16, 62.99
CIE LCh	49, 96.541, 40.726
Yxy	17.7894, 0.6351, 0.3339
Android (android.graphics.Color)	4293464832 (0xFFE91300)
YUV	80.8200, -39.8443, 133.4619
Hunter-Lab	42.1775, 69.3922, 27.2044

Details

The YUV color **80.8200, -39.8443, 133.4619** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **152.1800, 39.8443, -133.4619**, and the grayscale version is **81.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.0950, -40.4728, 101.6487**, and **49.9330, -24.6170, 102.6678** is the 20% darker color. If you saturate the color by 10%, you get **80.8200, -39.8443, 133.4619**, and if you desaturate by 10%, it is **95.7690, -35.8751, 120.3516**.

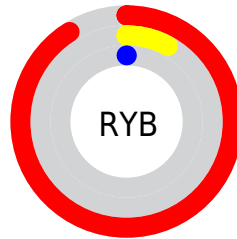
Distribution



Red (91%)

Green (7%)

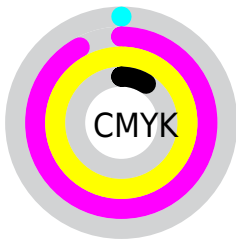
Blue (0%)



Red (91%)

Yellow (8%)

Blue (0%)

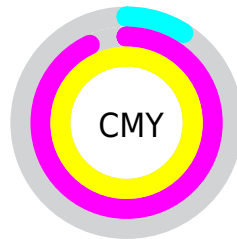


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (93%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the YUV color 80.8200, -39.8443, 133.4619 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 80.8200, -39.8443, 133.4619 by changing the saturation by 10% instead.


 80.8200, -39.8443,
133.4619


 80.8200, -39.8443,
133.4619


 253.9740, -3.9312,
0.8998


 59.8000, -29.4814,
122.9554


 139.0950,
-40.4728, 101.6487

 49.9330, -24.6170,
102.6678


 159.5550,
-38.2346, 83.7053


 40.0660, -19.7525,
82.3801


 180.1290,
-35.5596, 65.6619

 30.6120, -14.5987,
62.6073

 200.7030,
-32.8846, 47.6185

 22.2830, -9.0135,
44.4788

 221.3910,
-29.7728, 29.4751


 12.0740, -5.4595,
24.4911


 242.0790,


 0.0000, 0.0000,


-26.6609, 11.3317

0.0000


 250.6680,
-16.5983, 3.7992

 80.8200, -39.8443,
133.4619

 95.7690, -35.8751,
120.3516

 111.4190,
-31.7586, 106.6265

 126.3680,
-27.7894, 93.5163

 141.9040,
-24.1097, 79.8912

 156.9670,
-19.7037, 66.6809

■ 171.9160,
-15.7346, 53.5707

■ 187.4520,
-12.0548, 39.9456

■ 202.4010, -8.0857,
26.8353

■ 218.0510, -3.9691,
13.1103

Harmonies

Analogous

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



86.1350, 2.8914, 146.3406



80.8200, -39.8443, 133.4619



109.3190, -53.8943, 66.3722

Triad

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



80.8200, -39.8443, 133.4619



92.3140, -16.9168, -80.9594



99.5100, 76.6566, -87.2703

Complementary

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



80.8200, -39.8443, 133.4619



152.1800, 39.8443, -133.4619

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.



111.8370, 70.5794, -98.0810



80.8200, -39.8443, 133.4619



104.1070, 20.6532, -91.3018

Square

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



80.8200, -39.8443, 133.4619



81.5930, -40.2253, -71.5571



112.4120, 55.0129, -98.5853



116.0930, 63.0582, 27.9824

Rectangle

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



80.8200, -39.8443, 133.4619



109.6640, -54.0644, 27.4817



112.4120, 55.0129, -98.5853



104.7930, 74.0521, -91.9035

Sweetspot

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



80.8200, -39.8443, 133.4619



205.2460, -12.9393, 43.6343



94.4050, 60.4393, 121.5478



97.5150, -7.6489, 26.7353



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.



80.8200, -39.8443, 133.4619



88.5720, -43.6660, 145.9574



147.1510, -72.5454, 75.2896



109.8760, -1.9109, 6.2477



62.9240, -31.0215, 103.5527



18.4940, -9.1175, 31.1388

Inverse Universe

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



152.1800, 39.8443, -133.4619



166.4280, 43.6660, -145.9574



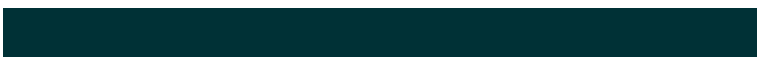
85.8490, 72.5454, -75.2896



113.1240, 1.9109, -6.2477



118.0760, 31.0215, -103.5527



34.9190, 9.4069, -30.6240

Previews

White Background



This preview shows how the YUV color 80.8200, -39.8443, 133.4619 looks on a white background.

Color Contrast Check

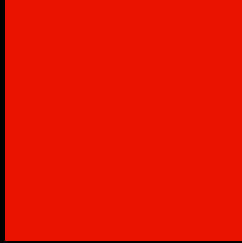
Large Text (above 18pt) WCAG AA ✓ Pass

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 80.8200, -39.8443, 133.4619 looks on a black 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

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

YUV 80.8200, -39.8443, 133.4619

Background



This preview shows how black text looks on a background with the YUV color 80.8200, -39.8443, 133.4619.



This preview shows how white text looks on a background with the YUV color 80.8200, -39.8443,

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



Protanopia

112.4530, -40.6493, 18.0197

Tritanopia

81.9940, -40.4230, 132.4323

Trichromacy



Protanomaly

100.8310, -40.3427, 59.7842

Tritanomaly

81.4070, -40.1337, 132.9471

Monochromacy



Achromatopsia

81.0000, 0.0000, 0.0000

Achromatomaly

80.6380, -14.1185, 48.5525

CSS Examples

Text

The CSS property to change the color of the text to YUV 80.8200, -39.8443, 133.4619 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(233, 19, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 19, 0)  
}
```

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(233, 19, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 19, 0) }
```

Border

The CSS property to change the border of an element to YUV 80.8200, -39.8443, 133.4619 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(233, 19, 0) }
```

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

```
.border{ border-color:rgb(233, 19, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 19, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 19, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 19, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 19, 0)  
}
```


Background

The CSS property to change the background color of an element to YUV 80.8200, -39.8443, 133.4619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 19, 0) }
```

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

```
.background{ background-color: rgb(233, 19,  
0) }
```

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