

Converting Colors

YUV(159.8080, -68.9253,
80.8524)

Have a look what the booklet for
YUV(159.8080, -68.9253, 80.8524)
contains.

YUV(159.8080, -68.9253, 80.8524)	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(159.8080, -68.9253,
80.8524)**

Conversions

Conversions Part 1

Format	Color
Hex	FC8C14
RGB	252, 140, 20
RGB Percent	99%, 55%, 8%
CMY	0.0118, 0.4510, 0.9216
CMYK	0.00, 0.44, 0.92, 0.01
HSL	31°, 97%, 53%
HSV	31°, 92%, 99%
XYZ	49.6492, 39.5021, 5.6697
YIQ	159.8080, 105.2720, -13.5760

Conversions

Conversions Part 2

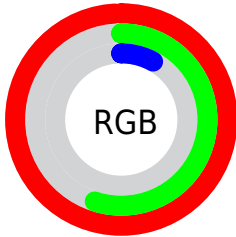
Format	Color
R _Y B	237, 252, 20
Decimal	16550932
CIE Lab	69.11, 35.81, 72.06
CIE LCh	69, 80.471, 63.574
Yxy	39.5021, 0.5236, 0.4166
Android (android.graphics.Color)	4294741012 (0xFFFC8C14)
YUV	159.8080, -68.9253, 80.8524
Hunter-Lab	62.8507, 31.0182, 38.6470

Details

The YUV color **159.8080, -68.9253, 80.8524** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **112.1920, 68.9253, -80.8524**, and the grayscale version is **160.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **199.4710, -57.9132, 48.6989**, and **107.8680, -53.1789, 70.2758** is the 20% darker color. If you saturate the color by 10%, you get **151.6580, -74.7674, 87.9999**, and if you desaturate by 10%, it is **169.7020, -61.4781, 72.1753**.

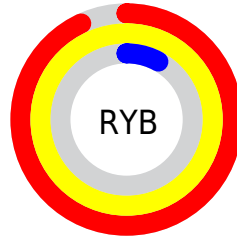
Distribution



Red (99%)

Green (55%)

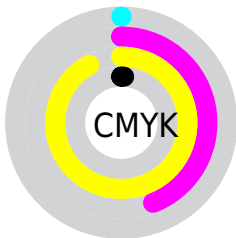
Blue (8%)



Red (93%)

Yellow (99%)

Blue (8%)

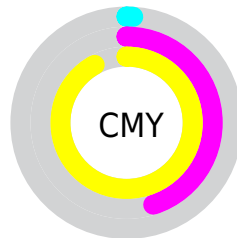


Cyan (0%)

Magenta (44%)

Yellow (92%)

Black (1%)



Cyan (1%)

Magenta (45%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the YUV color 159.8080, -68.9253, 80.8524 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 159.8080, -68.9253, 80.8524 by changing the saturation by 10% instead.

159.8080,
-68.9253, 80.8524

159.8080,
-68.9253, 80.8524

255.0000, 0.0000,
0.0000

132.6980,
-65.4201, 76.5639

199.4710,
-57.9132, 48.6989

107.8680,
-53.1789, 70.2758

219.6860,
-54.0752, 30.9704

84.5110, -41.6639,
63.5729

239.2000,
-50.3846, 13.8566

60.5670, -29.8595,
57.3847

244.7400,
-39.3118, 8.9980

36.0470, -17.7712,
53.4558

247.9320,
-27.0815, 6.1986

20.3320, -10.0237,
41.8048

251.2380,

13.2700, -6.0491,

-14.4143, 3.2993

26.9502

254.6580, -1.3104,
0.2999

■ 0.0000, 0.0000,
0.0000

■ 159.8080,
-68.9253, 80.8524

■ 159.8080,
-68.9253, 80.8524

■ 151.6580,
-74.7674, 87.9999

■ 169.7020,
-61.4781, 72.1753

■ 179.5960,
-54.0308, 63.4983

■ 189.6040,
-46.1468, 54.7213

■ 200.0850,
-38.9889, 45.5295

■ 209.9790,
-31.5416, 36.8524

■ 219.8730,
-24.0944, 28.1754

■ 229.7670,
-16.6471, 19.4983

■ 239.7750, -8.7631,
10.7213

■ 249.6690, -1.3158,
2.0443

Harmonies

Analogous

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



148.9550, -28.0788, 93.0015



159.8080, -68.9253, 80.8524



156.6220, -77.2146, 32.7805

Triad

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



159.8080, -68.9253, 80.8524



138.6380, 18.4195, -121.5855



167.4070, 43.1833, 9.2901

Complementary

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



159.8080, -68.9253, 80.8524



112.1920, 68.9253, -80.8524

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.



131.7950, 60.7401, -115.5842



159.8080, -68.9253, 80.8524



146.2590, 50.1583, -128.2691

Square

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



159.8080, -68.9253, 80.8524



127.0390, -13.3302, -111.4132



142.3610, 55.5310, -124.8506



167.0180, 33.5151, 77.1602

Rectangle

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



159.8080, -68.9253, 80.8524



150.7870, -74.3380, -3.3212



142.3610, 55.5310, -124.8506



160.1100, 46.7808, -24.6525

Sweetspot

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



159.8080, -68.9253, 80.8524



226.9480, -21.1734, 24.6016



102.1360, 14.7230, 131.4307



110.6570, -13.1419, 15.2098



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.



159.8080, -68.9253, 80.8524



153.7290, -75.7884, 88.8147



224.3560, -100.7475, 20.7358



119.9960, -3.9420, 4.3885



114.0370, -56.2202, 65.7426



37.0230, -18.2523, 21.0278

Inverse Universe

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



112.1920, 68.9253, -80.8524



101.2710, 75.7884, -88.8147



47.6440, 100.7475, -20.7358



117.0040, 3.9420, -4.3885



74.9630, 56.2202, -65.7426



24.5640, 17.9629, -21.5426

Previews

White Background



This preview shows how the YUV color 159.8080, -68.9253, 80.8524 looks on a white 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

Black Background



This preview shows how the YUV color 159.8080, -68.9253, 80.8524 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 ✓ Pass

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

YUV 159.8080, -68.9253, 80.8524 Background



This preview shows how black text looks on a background with the YUV color 159.8080, -68.9253, 80.8524.



This preview shows how white text looks on a background with the YUV color 159.8080, -68.9253,

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

159.8080, -68.9253, 80.8524

Protanopia

160.2050, -64.6841, 27.0072

Deuteranopia

157.9060, -77.8477, 49.1944



Tritanopia

169.1020, -14.3473, 75.3325

Trichromacy



Original Color

159.8080, -68.9253, 80.8524

Protanomaly

159.9840, -66.0541, 46.4950

Deuteranomaly

158.7810, -74.8280, 60.7051

Tritanomaly

165.5480, -34.2872, 77.5724

Monochromacy



Original Color

159.8080, -68.9253, 80.8524

Achromatopsia

160.0000, 0.0000, 0.0000

Achromatomaly

159.9440, -25.1154, 28.9901

CSS Examples

Text

The CSS property to change the color of the text to YUV 159.8080, -68.9253, 80.8524 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(252, 140, 20)` looks like.

```
.text, #text, p{  
    color:rgb(252, 140, 20)  
}
```

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(252, 140, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 140, 20) }
```

Border

The CSS property to change the border of an element to YUV 159.8080, -68.9253, 80.8524 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(252, 140, 20) }
```


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

```
.border{ border-color:rgb(252, 140, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 140, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 140, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 140, 20);  
box-shadow:4px 4px 4px 4px rgb(252, 140,  
20) }
```

Background

The CSS property to change the background color of an element to YUV 159.8080, -68.9253, 80.8524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 140, 20) }
```

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

```
.background{ background-color: rgb(252,  
140, 20) }
```

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