

Converting Colors

YUV(81.5410, -40.1997,
107.3965)

Have a look what the booklet for
YUV(81.5410, -40.1997, 107.3965)
contains.

YUV(81.5410, -40.1997, 107.3965)	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(81.5410, -40.1997,
107.3965)**

Conversions

Conversions Part 1

Format	Color
Hex	CC2300
RGB	204, 35, 0
RGB Percent	80%, 14%, 0%
CMY	0.2000, 0.8627, 1.0000
CMYK	0.00, 0.83, 1.00, 0.20
HSL	10°, 100%, 40%
HSV	10°, 100%, 80%
XYZ	25.5029, 14.0394, 1.3657
YIQ	81.5410, 111.9590, 24.9430

Conversions

Conversions Part 2

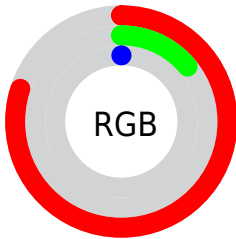
Format	Color
RYB	204, 42, 0
Decimal	13378304
CIELab	44.29, 62.62, 57.48
CIELCh	44, 85.003, 42.546
Yxy	14.0394, 0.6234, 0.3432
Android (android.graphics.Color)	4291568384 (0xFFCC2300)
YUV	81.5410, -40.1997, 107.3965
Hunter-Lab	37.4692, 55.9222, 24.0674

Details

The YUV color **81.5410, -40.1997, 107.3965** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **122.4590, 40.1997, -107.3965**, and the grayscale version is **82.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **140.0410, -41.9252, 100.8190**, and **41.8600, -20.6370, 86.0688** is the 20% darker color. If you saturate the color by 10%, you get **81.5410, -40.1997, 107.3965**, and if you desaturate by 10%, it is **93.8000, -36.3834, 96.6454**.

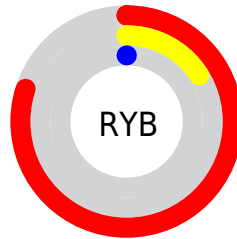
Distribution



Red (80%)

Green (14%)

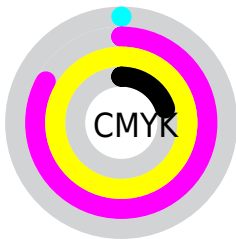
Blue (0%)



Red (80%)

Yellow (16%)

Blue (0%)

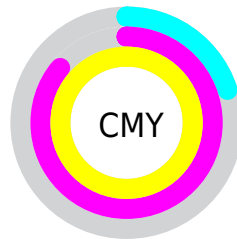


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (86%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the YUV color 81.5410, -40.1997, 107.3965 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 81.5410, -40.1997, 107.3965 by changing the saturation by 10% instead.


 81.5410, -40.1997,
107.3965

 81.5410, -40.1997,
107.3965


 253.5180, -5.6784,
1.2997


 51.4280, -25.3540,
105.7416


 140.0410,
-41.9252, 100.8190

 41.8600, -20.6370,
86.0688


 159.8000,
-39.8344, 83.4904


 32.2920, -15.9200,
66.3959

 179.2000,
-36.5806, 66.4766

 23.5500, -10.6242,
47.7527

 199.1870,
-33.6162, 48.9480


 14.8790, -6.3493,
29.9241


 219.2880,
-30.2150, 31.3194


 0.0000, 0.0000,
0.0000


 239.9760,


-27.1032, 13.1760

 250.2120,
-18.3455, 4.1991

 81.5410, -40.1997,
107.3965

 93.8000, -36.3834,
96.6454

 106.1730,
-32.1303, 85.7943

 118.4320,
-28.3140, 75.0431

 130.8050,
-24.0609, 64.1920

 143.0640,
-20.2446, 53.4409

■ 154.7360,
-16.1388, 43.2045

■ 167.1090,
-11.8857, 32.3534

■ 179.3680, -8.0694,
21.6023

■ 191.7410, -3.8163,
10.7511

Harmonies

Analogous

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



75.6830, 1.6353, 129.1970



81.5410, -40.1997, 107.3965



98.6210, -48.6202, 54.7064

Triad

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



81.5410, -40.1997, 107.3965



83.0360, -11.8497, -72.8226



89.6790, 77.0663, -78.6485

Complementary

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



81.5410, -40.1997, 107.3965



122.4590, 40.1997, -107.3965

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.



100.9630, 69.5312, -88.5446



81.5410, -40.1997, 107.3965



93.3470, 20.0419, -81.8653

Square

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



81.5410, -40.1997, 107.3965



72.7880, -35.8845, -63.8351



100.2840, 49.1600, -87.9491



104.3570, 52.5750, 30.3819

Rectangle

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



81.5410, -40.1997, 107.3965



97.8250, -48.2277, 22.0785



100.2840, 49.1600, -87.9491



94.7170, 76.0615, -83.0668

Sweetspot

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



81.5410, -40.1997, 107.3965



209.3550, -14.9650, 40.0307



80.3760, 44.1846, 108.4182



99.8630, -8.8065, 24.6761



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.



81.5410, -40.1997, 107.3965



102.0730, -50.3220, 134.1170



140.8280, -69.4282, 55.4018



96.1640, -2.0529, 5.1182



66.0700, -32.5725, 87.6386



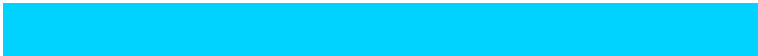
15.4710, -7.6272, 19.7579

Inverse Universe

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



122.4590, 40.1997, -107.3965



152.9270, 50.3220, -134.1170



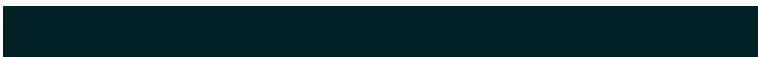
63.1720, 69.4282, -55.4018



97.8360, 2.0529, -5.1182



99.3430, 32.8619, -87.1238



23.1160, 7.3378, -20.2727

Previews

White Background



This preview shows how the YUV color 81.5410, -40.1997, 107.3965 looks on a white background.

Color Contrast Check

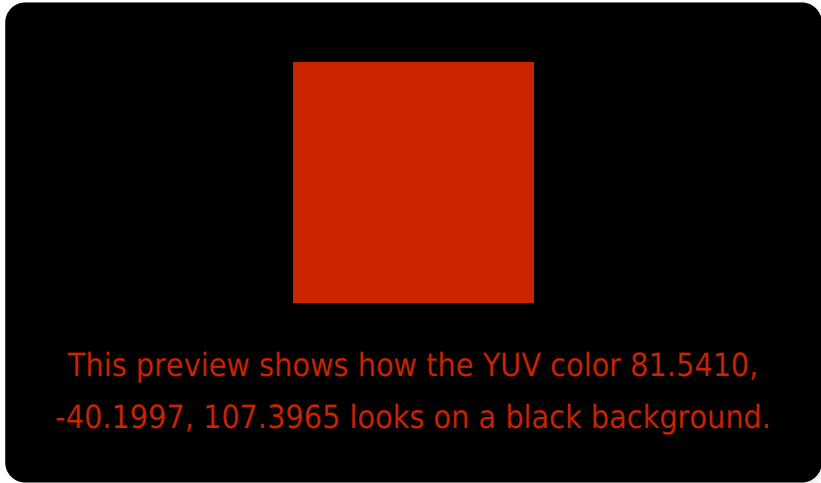
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 81.5410, -40.1997, 107.3965

Background



This preview shows how black text looks on a background with the YUV color 81.5410, -40.1997, 107.3965.



This preview shows how white text looks on a background with the YUV color 81.5410, -40.1997,

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

81.5410, -40.1997, 107.3965

Protanopia

100.6530, -37.2969, 16.0903

Deuteranopia

99.0540, -48.8336, 29.7706



Tritanopia

83.9010, -26.0802, 105.3268

Trichromacy



Original Color

81.5410, -40.1997, 107.3965

Protanomaly

93.6340, -38.2736, 49.4330

Deuteranomaly

92.7400, -45.7208, 58.1100

Tritanomaly

83.2340, -31.1744, 105.9118

Monochromacy



Original Color

81.5410, -40.1997, 107.3965

Achromatopsia

82.0000, 0.0000, 0.0000

Achromatomaly

81.7570, -14.6702, 38.8011

CSS Examples

Text

The CSS property to change the color of the text to YUV 81.5410, -40.1997, 107.3965 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(204, 35, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 35, 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(204, 35, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 35, 0) }
```

Border

The CSS property to change the border of an element to YUV 81.5410, -40.1997, 107.3965 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(204, 35, 0) }
```


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

```
.border{ border-color:rgb(204, 35, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 35, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 35, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 35, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 35, 0)  
}
```

Background

The CSS property to change the background color of an element to YUV 81.5410, -40.1997, 107.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 35, 0) }
```

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

```
.background{ background-color: rgb(204, 35,  
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