

Converting Colors

YUV(86.4700, -36.7137,
-31.1072)

Have a look what the booklet for
YUV(86.4700, -36.7137, -31.1072)
contains.

YUV(86.4700, -36.7137, -31.1072)	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(86.4700, -36.7137,
-31.1072)**

Conversions

Conversions Part 1

Format	Color
Hex	33770C
RGB	51, 119, 12
RGB Percent	20%, 47%, 5%
CMY	0.8000, 0.5333, 0.9529
CMYK	0.57, 0.00, 0.90, 0.53
HSL	98°, 82%, 26%
HSV	98°, 90%, 47%
XYZ	8.0284, 13.9240, 2.6123
YIQ	86.4700, -6.1810, -47.6930

Conversions

Conversions Part 2

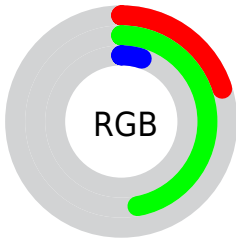
Format	Color
RYB	12, 119, 80
Decimal	3372812
CIELab	44.12, -39.77, 45.98
CIELCh	44, 60.793, 130.861
Yxy	13.9240, 0.3268, 0.5668
Android (android.graphics.Color)	4281562892 (0xFF33770C)
YUV	86.4700, -36.7137, -31.1072
Hunter-Lab	37.3149, -26.8961, 21.9697

Details

The YUV color **86.4700, -36.7137, -31.1072** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **44.5300, 36.7137, 31.1072**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **140.4100, -35.6981, -30.1776**, and **40.5030, -19.9680, -35.5211** is the 20% darker color. If you saturate the color by 10%, you get **82.7100, -40.7760, -34.8257**, and if you desaturate by 10%, it is **90.2300, -32.6514, -27.3887**.

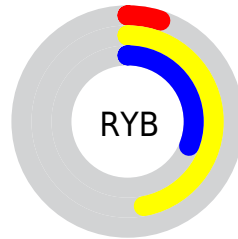
Distribution



Red (20%)

Green (47%)

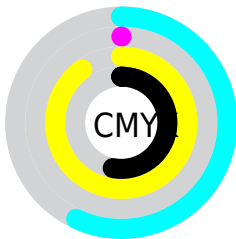
Blue (5%)



Red (5%)

Yellow (47%)

Blue (31%)

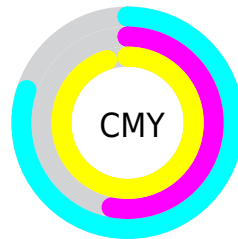


Cyan (57%)

Magenta (0%)

Yellow (90%)

Black (53%)



Cyan (80%)

Magenta (53%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the YUV color 86.4700, -36.7137, -31.1072 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 86.4700, -36.7137, -31.1072 by changing the saturation by 10% instead.

■ 86.4700, -36.7137,
-31.1072

■ 86.4700, -36.7137,
-31.1072

255.0000, 0.0000,
0.0000

■ 60.8590, -30.0035,
-36.7103

■ 140.4100,
-35.6981, -30.1776

■ 40.5030, -19.9680,
-35.5211

■ 167.7690,
-36.8611, -30.4924

■ 27.0020, -13.3120,
-23.6808

■ 195.6550,
-37.2979, -30.3924

■ 13.5010, -6.6560,
-11.8404


■ 222.8400,
-37.8821, -29.6777


■ 0.0000, 0.0000,
0.0000


■ 234.7030,
-29.9266, -14.6485


■ 246.5660,


-21.9710, 0.3806


 252.1500,
-10.9200, 2.4994


 86.4700, -36.7137,
-31.1072


 86.4700, -36.7137,
-31.1072


 82.7100, -40.7760,
-34.8257

 90.2300, -32.6514,
-27.3887

 93.6910, -28.4417,
-24.2850

 97.4510, -24.3793,
-20.5665

 100.9120,
-20.1696, -17.4628

 104.5580,
-16.5441, -13.6444

■ 108.0190,
-12.3344, -10.5407

■ 111.7790, -8.2720,
-6.8222

■ 115.5390, -4.2097,
-3.1037

■ 119.0000, 0.0000,
0.0000

Harmonies

Analogous

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



96.2860, -47.4690, 12.0272



86.4700, -36.7137, -31.1072



81.2410, -6.0348, -71.2484

Triad

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



86.4700, -36.7137, -31.1072



92.6530, 52.9221, -81.2567



94.1540, -3.0339, 86.6879

Complementary

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



86.4700, -36.7137, -31.1072



44.5300, 36.7137, 31.1072

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.



101.0540, 18.7074, 66.6046



86.4700, -36.7137, -31.1072



84.4180, 59.4469, -74.0346

Square

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



86.4700, -36.7137, -31.1072



92.7550, 38.0818, -81.3461



106.5670, 37.1885, 18.7967



97.1330, -28.1666, 74.4284

Rectangle

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



86.4700, -36.7137, -31.1072



85.8180, 8.9637, -75.2624



106.5670, 37.1885, 18.7967



95.4940, 4.6865, 83.7588

Sweetspot

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



86.4700, -36.7137, -31.1072



143.1390, -14.3655, -12.3999



83.9090, -35.4511, 30.7748



71.3660, -8.5614, -7.3370



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000

Same Dimension

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



86.4700, -36.7137, -31.1072



108.6150, -53.5472, -45.2664



76.4050, -24.8497, -56.4832



57.1200, -2.0312, -1.8592



85.0690, -41.9390, -35.1405



173.9590, -85.7618, -72.7550

Inverse Universe

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



44.5300, 36.7137, 31.1072



47.3850, 53.5472, 45.2664



54.5950, 24.8497, 56.4832



54.8800, 2.0312, 1.8592



37.2300, 41.7916, 35.7553



76.0410, 85.7618, 72.7550

Previews

White Background



This preview shows how the YUV color 86.4700, -36.7137, -31.1072 looks on a white background.

Color Contrast Check

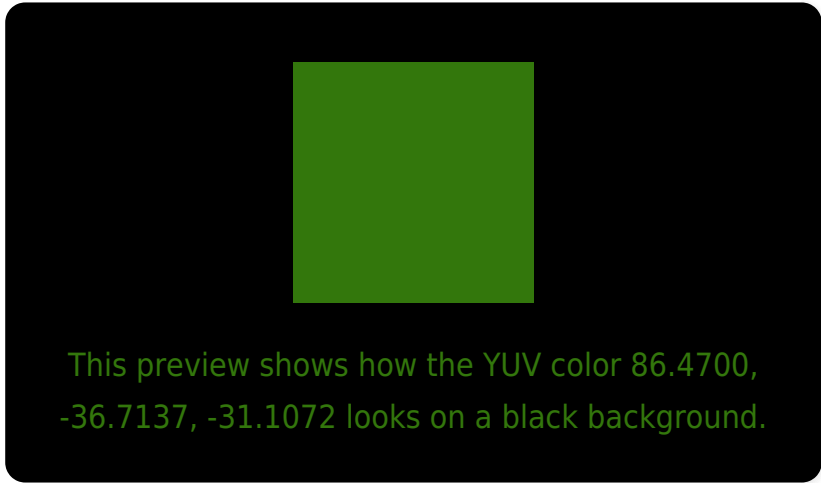
Large Text (above 18pt) WCAG AA ✓ Pass

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 86.4700, -36.7137, -31.1072

Background



This preview shows how black text looks on a background with the YUV color 86.4700, -36.7137, -31.1072.



This preview shows how white text looks on a background with the YUV color 86.4700, -36.7137, -31.1072.

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

86.4700, -36.7137, -31.1072

Protanopia

96.4870, -45.5961, 17.9899

Deuteranopia

100.3600, -36.1665, 26.8713



Tritanopia

99.4680, 10.1223, -26.7204

Trichromacy



Original Color

86.4700, -36.7137, -31.1072

Protanomaly

92.5880, -42.1949, 0.3613

Deuteranomaly

95.2280, -36.1014, 5.9390

Tritanomaly

94.6900, -6.7492, -28.6691

Monochromacy



Original Color

86.4700, -36.7137, -31.1072

Achromatopsia

86.0000, 0.0000, 0.0000

Achromatomaly

86.0790, -13.3499, -11.4703

CSS Examples

Text

The CSS property to change the color of the text to YUV 86.4700, -36.7137, -31.1072 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(51, 119, 12)` looks like.

```
.text, #text, p{  
    color:rgb(51, 119, 12)  
}
```

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(51, 119, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 119, 12) }
```

Border

The CSS property to change the border of an element to YUV 86.4700, -36.7137, -31.1072 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(51, 119, 12) }
```


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

```
.border{ border-color:rgb(51, 119, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 119, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 119, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 119, 12);  
box-shadow:4px 4px 4px 4px rgb(51, 119,  
12) }
```

Background

The CSS property to change the background color of an element to YUV 86.4700, -36.7137, -31.1072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 119, 12) }
```

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

```
.background{ background-color: rgb(51, 119,  
12) }
```

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