

# Converting Colors

YUV(89.8980, -32.4877,  
-33.2365)

Have a look what the booklet for  
YUV(89.8980, -32.4877, -33.2365)  
contains.

<b>YUV(89.8980, -32.4877, -33.2365)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(89.8980, -32.4877,  
-33.2365)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	347A18
RGB	52, 122, 24
RGB Percent	20%, 48%, 9%
CMY	0.7961, 0.5216, 0.9059
CMYK	0.57, 0.00, 0.80, 0.52
HSL	103°, 67%, 29%
HSV	103°, 80%, 48%
XYZ	8.5406, 14.7151, 3.2543
YIQ	89.8980, -10.2620, -45.3180

# Conversions

## Conversions Part 2

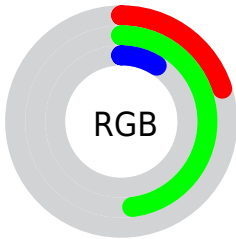
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 122, 94
Decimal	3439128
CIE Lab	45.24, -40.02, 43.52
CIE LCh	45, 59.125, 132.601
Yxy	14.7151, 0.3222, 0.5551
Android (android.graphics.Color)	4281629208 (0xFF347A18)
YUV	89.8980, -32.4877, -33.2365
Hunter-Lab	38.3602, -27.3889, 21.8223

# Details

The YUV color **89.8980, -32.4877, -33.2365** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **56.1020, 32.4877, 33.2365**, and the grayscale version is **90.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **143.3820, -33.2193, -31.9070**, and **42.2640, -20.8362, -37.0655** is the 20% darker color. If you saturate the color by 10%, you get **85.8390, -36.4026, -37.5698**, and if you desaturate by 10%, it is **93.9570, -28.5728, -28.9033**.

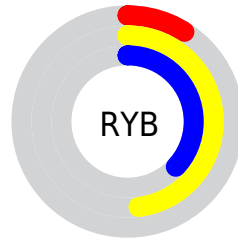
# Distribution



Red (20%)

Green (48%)

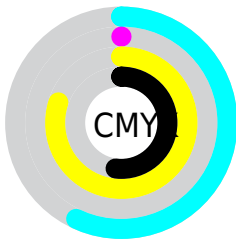
Blue (9%)



Red (9%)

Yellow (48%)

Blue (37%)

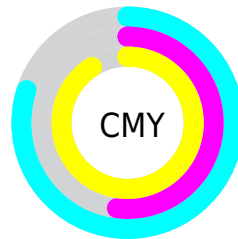


Cyan (57%)

Magenta (0%)

Yellow (80%)

Black (52%)



Cyan (80%)

Magenta (52%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 89.8980, -32.4877, -33.2365 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 89.8980, -32.4877, -33.2365 by changing the saturation by 10% instead.



■ 89.8980, -32.4877,  
-33.2365

■ 89.8980, -32.4877,  
-33.2365

255.0000, 0.0000,  
0.0000

■ 62.9190, -31.0191,  
-37.6400

■ 143.3820,  
-33.2193, -31.9070

■ 42.2640, -20.8362,  
-37.0655

■ 170.7410,  
-34.3823, -32.2219

■ 28.7630, -14.1802,  
-25.2252

■ 198.6270,  
-34.8191, -32.1219

■ 15.8490, -7.8136,  
-13.8996

■ 224.0510,  
-34.5351, -29.8627

■ 0.0000, 0.0000,  
0.0000

■ 235.9140,  
-26.5796, -14.8336

■ 247.7770,

-18.6241, 0.1956

■ 253.1760, -6.9888,  
1.5996

■ 89.8980, -32.4877,  
-33.2365

■ 89.8980, -32.4877,  
-33.2365

■ 85.8390, -36.4026,  
-37.5698

■ 93.9570, -28.5728,  
-28.9033

■ 82.0790, -40.4649,  
-41.2883

■ 97.7170, -24.5105,  
-25.1848

■ 101.8900,  
-20.1588, -20.9515

■ 105.9490,  
-16.2439, -16.6183

■ 110.0080,  
-12.3289, -12.2850

■ 113.7680, -8.2666,  
-8.5665

■ 117.8270, -4.3517,  
-4.2333

■ 122.0000, 0.0000,  
0.0000

■ 125.7600, 4.0623,  
3.7185

# Harmonies

## Analogous

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



98.0470, -48.3372, 10.4828



89.8980, -32.4877, -33.2365



83.2130, -3.5560, -72.9778

# Triad

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



89.8980, -32.4877, -33.2365



94.0550, 53.2169, -82.4862



99.1490, -5.4965, 83.1843

# Complementary

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



89.8980, -32.4877, -33.2365



56.1020, 32.4877, 33.2365

# 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.



104.1850, 16.6708, 66.4898



89.8980, -32.4877, -33.2365



86.6740, 57.8417, -72.5051

# Square

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



89.8980, -32.4877, -33.2365



94.8580, 38.5240, -83.1905



110.1930, 34.4149, 21.7557



101.1820, -29.1767, 71.7544



# Rectangle

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



89.8980, -32.4877, -33.2365



88.2630, 10.7163, -77.4067



110.1930, 34.4149, 21.7557



100.2010, 2.3659, 81.3847

# Sweetspot

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



89.8980, -32.4877, -33.2365



145.5950, -12.6183, -12.7998



93.8050, -34.4139, 24.7270



71.5940, -7.6878, -7.5369



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.



89.8980, -32.4877, -33.2365



108.3800, -50.4733, -51.1993



83.8060, -19.6244, -52.4499



59.1200, -2.0312, -1.8592



84.1390, -41.4805, -42.2179



169.4520, -83.5398, -85.4654



# Inverse Universe

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



56.1020, 32.4877, 33.2365



55.9190, 50.3259, 51.8140



62.1940, 19.6244, 52.4499



56.8800, 2.0312, 1.8592



40.8610, 41.4805, 42.2179



82.5480, 83.5398, 85.4654



# Previews

## White Background



This preview shows how the YUV color 89.8980, -32.4877, -33.2365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

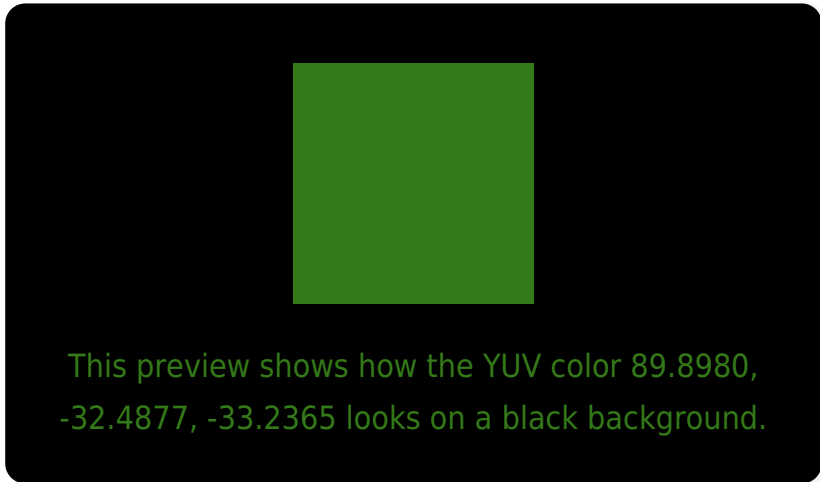
Any Text WCAG AA ✓ Pass

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

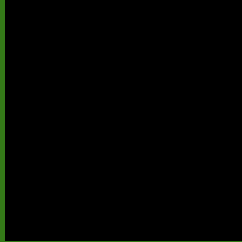
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 89.8980, -32.4877, -33.2365

## Background



This preview shows how black text looks on a background with the YUV color 89.8980, -32.4877, -33.2365.



This preview shows how white text looks on a background with the YUV color 89.8980, -32.4877, -33.2365.

-33.2365.

# 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

89.8980, -32.4877, -33.2365

### Protanopia

100.9690, -39.9177, 16.6902

### Deuteranopia

102.9300, -33.9825, 26.3714



## Tritanopia

101.8700, 10.4171, -27.9500

# Trichromacy



## Original Color

89.8980, -32.4877, -33.2365

## Protanomaly

96.5430, -37.2427, -1.3532

## Deuteranomaly

98.4990, -33.7700, 4.8244

## Tritanomaly

97.4340, -5.1440, -30.1986

# Monochromacy



## Original Color

89.8980, -32.4877, -33.2365

## Achromatopsia

90.0000, 0.0000, 0.0000

## Achromatomaly

90.1220, -11.8921, -12.3850

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 89.8980, -32.4877, -33.2365 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(52, 122, 24)` looks like.

```
.text, #text, p{  
    color:rgb(52, 122, 24)  
}
```

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(52, 122, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 122, 24) }
```

## Border

The CSS property to change the border of an element to YUV 89.8980, -32.4877, -33.2365 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(52, 122, 24) }
```



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

```
.border{ border-color:rgb(52, 122, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 122, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 122, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 122, 24);  
box-shadow:4px 4px 4px 4px rgb(52, 122,  
24) }
```

# Background

The CSS property to change the background color of an element to YUV 89.8980, -32.4877, -33.2365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 122, 24) }
```

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

```
.background{ background-color: rgb(52, 122,  
24) }
```

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