

Converting Colors

YUV(89.7450, -33.8913,
-49.7654)

Have a look what the booklet for
YUV(89.7450, -33.8913, -49.7654)
contains.

YUV(89.7450, -33.8913, -49.7654)	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(89.7450, -33.8913,
-49.7654)**

Conversions

Conversions Part 1

Format	Color
Hex	218415
RGB	33, 132, 21
RGB Percent	13%, 52%, 8%
CMY	0.8706, 0.4824, 0.9176
CMYK	0.75, 0.00, 0.84, 0.48
HSL	114°, 73%, 30%
HSV	114°, 84%, 52%
XYZ	9.0138, 16.8800, 3.4926
YIQ	89.7450, -23.3730, -55.5090

Conversions

Conversions Part 2

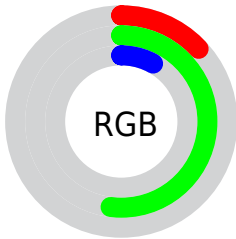
Format	Color
R_{YB}	21, 132, 120
Decimal	2196501
CIE Lab	48.11, -48.32, 46.99
CIE LCh	48, 67.395, 135.800
Yxy	16.8800, 0.3067, 0.5744
Android (android.graphics.Color)	4280386581 (0xFF218415)
YUV	89.7450, -33.8913, -49.7654
Hunter-Lab	41.0853, -32.7376, 23.7196

Details


The YUV color **89.7450, -33.8913, -49.7654** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **63.2550, 33.8913, 49.7654**, and the grayscale version is **90.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **146.1370, -35.0705, -44.8471**, and **47.5470, -23.4407, -41.6987** is the 20% darker color. If you saturate the color by 10%, you get **84.6750, -37.8008, -55.8430**, and if you desaturate by 10%, it is **94.8150, -29.9818, -43.6878**.

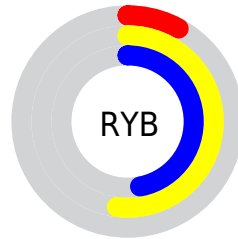
Distribution



 Red (13%)

 Green (52%)

 Blue (8%)




 Red (8%)

 Yellow (52%)

 Blue (47%)

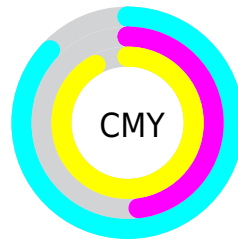


 Cyan (75%)


 Magenta (0%)

 Yellow (84%)

 Black (48%)



 Cyan (87%)

 Magenta (48%)

 Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the YUV color 89.7450, -33.8913, -49.7654 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 89.7450, -33.8913, -49.7654 by changing the saturation by 10% instead.

■ 89.7450, -33.8913,
-49.7654

■ 89.7450, -33.8913,
-49.7654

255.0000, 0.0000,
0.0000

■ 62.2220, -30.6754,
-54.5687

■ 146.1370,
-35.0705, -44.8471

■ 47.5470, -23.4407,
-41.6987

■ 173.9090,
-35.9441, -44.6472

■ 33.4590, -16.4953,
-29.3435

■ 202.6810,
-36.8177, -44.4472

■ 20.5450, -10.1287,
-18.0180

■ 221.1750,
-32.6243, -36.1105

■ 0.0000, 0.0000,
0.0000

■ 232.9240,
-25.1055, -20.9813

■ 245.0860,

-17.2974, -5.3374

■ 253.1760, -6.9888,
1.5996

■ 89.7450, -33.8913,
-49.7654

■ 89.7450, -33.8913,
-49.7654

■ 84.6750, -37.8008,
-55.8430

■ 94.8150, -29.9818,
-43.6878

■ 81.6700, -40.2633,
-59.3466

■ 99.8850, -26.0723,
-37.6101

■ 104.7700,
-21.5786, -32.2473

■ 109.8400,
-17.6691, -26.1697

■ 114.9100,
-13.7596, -20.0921

■ 119.9800, -9.8501,
-14.0145

■ 124.7510, -5.7932,
-8.5516

■ 129.9350, -1.4470,
-2.5740

■ 135.0050, 2.4625,
3.5036

Harmonies

Analogous

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



103.9170, -51.2311, 5.3348



89.7450, -33.8913, -49.7654



89.9950, -2.9555, -78.9256

Triad

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



89.7450, -33.8913, -49.7654



101.3730, 60.9481, -88.9041



101.1940, -6.9976, 98.0539

Complementary

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



89.7450, -33.8913, -49.7654



63.2550, 33.8913, 49.7654

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.



107.0390, 18.2218, 82.4038



89.7450, -33.8913, -49.7654



95.5910, 63.7986, -69.8013

Square

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



89.7450, -33.8913, -49.7654



102.6490, 45.5290, -90.0232



116.5840, 38.1661, 31.9368



105.9890, -36.4766, 79.8166

Rectangle

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



89.7450, -33.8913, -49.7654



95.7290, 13.9376, -83.9543



116.5840, 38.1661, 31.9368



101.0120, 2.4591, 98.2135

Sweetspot

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



89.7450, -33.8913, -49.7654



154.7360, -13.1808, -19.0625



111.7150, -44.7225, 17.7899



77.1590, -7.9664, -11.5404



214.0000, 0.0000, 0.0000



87.0000, 0.0000, 0.0000

Same Dimension

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



89.7450, -33.8913, -49.7654



105.7590, -52.1392, -76.9646



91.0590, -13.3401, -61.4417



63.5220, -1.7363, -3.0888



80.4960, -39.6845, -58.3170



1.7610, -0.8682, -1.5444

Inverse Universe

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



63.2550, 33.8913, 49.7654



64.9420, 52.2866, 76.3499



61.9410, 13.3401, 61.4417



62.4780, 1.7363, 3.0888



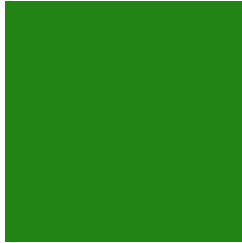
49.5040, 39.6845, 58.3170



0.9400, 1.0156, 0.9296

Previews

White Background



This preview shows how the YUV color 89.7450, -33.8913, -49.7654 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 89.7450, -33.8913, -49.7654 Background



This preview shows how black text looks on a background with the YUV color 89.7450, -33.8913, -49.7654.



This preview shows how white text looks on a background with the YUV color 89.7450, -33.8913,

-49.7654.

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

89.7450, -33.8913, -49.7654

Protanopia

107.0140, -44.8699, 18.4047

Deuteranopia

109.7300, -37.3349, 28.3008



Tritanopia

106.2000, 13.2124, -37.8864

Trichromacy



Original Color

89.7450, -33.8913, -49.7654

Protanomaly

100.8860, -40.8628, -6.9160

Deuteranomaly

102.4830, -36.2271, -0.4236

Tritanomaly

99.9980, -3.9430, -42.0942

Monochromacy



Original Color

89.7450, -33.8913, -49.7654

Achromatopsia

90.0000, 0.0000, 0.0000

Achromatomaly

89.6760, -12.1653, -18.1329

CSS Examples

Text

The CSS property to change the color of the text to YUV 89.7450, -33.8913, -49.7654 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(33, 132, 21)` looks like.

```
.text, #text, p{  
    color:rgb(33, 132, 21)  
}
```

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(33, 132, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 132, 21) }
```

Border

The CSS property to change the border of an element to YUV 89.7450, -33.8913, -49.7654 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(33, 132, 21) }
```


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

```
.border{ border-color:rgb(33, 132, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 132, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 132, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 132, 21);  
box-shadow:4px 4px 4px 4px rgb(33, 132,  
21) }
```

Background

The CSS property to change the background color of an element to YUV 89.7450, -33.8913, -49.7654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 132, 21) }
```

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

```
.background{ background-color: rgb(33, 132,  
21) }
```

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