

# Converting Colors

YUV(128.1580, -13.3889,  
-45.7426)

Have a look what the booklet for  
YUV(128.1580, -13.3889, -45.7426)  
contains.

<b>YUV(128.1580, -13.3889, -45.7426)</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(128.1580, -13.3889,  
-45.7426)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CA065
RGB	76, 160, 101
RGB Percent	30%, 63%, 40%
CMY	0.7020, 0.3725, 0.6039
CMYK	0.52, 0.00, 0.37, 0.37
HSL	138°, 36%, 46%
HSV	138°, 52%, 63%
XYZ	17.9003, 27.6177, 16.6992
YIQ	128.1580, -31.1250, -36.1570

# Conversions

## Conversions Part 2

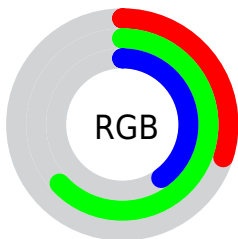
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 141, 160
Decimal	5021797
CIELab	59.54, -39.01, 23.19
CIELCh	60, 45.382, 149.272
Yxy	27.6177, 0.2877, 0.4439
Android (android.graphics.Color)	4283211877 (0xFF4CA065)
YUV	128.1580, -13.3889, -45.7426
Hunter-Lab	52.5525, -31.1669, 17.9466

# Details

The YUV color **128.1580, -13.3889, -45.7426** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **107.8420, 13.3889, 45.7426**, and the grayscale version is **128.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **182.7020, -15.1361, -45.3427**, and **73.0260, -9.8728, -53.5198** is the 20% darker color. If you saturate the color by 10%, you get **122.1200, -15.8352, -54.4792**, and if you desaturate by 10%, it is **134.1960, -10.9426, -37.0059**.

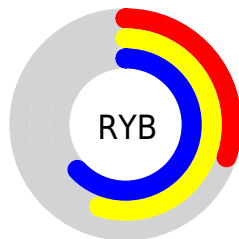
# Distribution



Red (30%)

Green (63%)

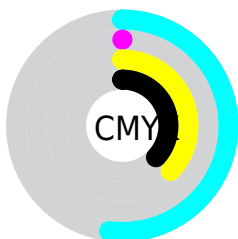
Blue (40%)



Red (30%)

Yellow (55%)

Blue (63%)

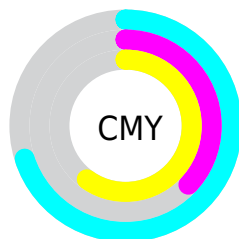


Cyan (52%)

Magenta (0%)

Yellow (37%)

Black (37%)



Cyan (70%)

Magenta (37%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 128.1580, -13.3889, -45.7426 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 128.1580, -13.3889, -45.7426 by changing the saturation by 10% instead.



■ 128.1580,  
-13.3889, -45.7426

■ 128.1580,  
-13.3889, -45.7426

■ 255.0000, 0.0000,  
0.0000

■ 101.2010,  
-11.9311, -46.6573

■ 182.7020,  
-15.1361, -45.3427

■ 73.0260, -9.8728,  
-53.5198

■ 210.8760,  
-15.7149, -46.3723

■ 52.2550, -10.4787,  
-45.8276

■ 228.8970,  
-10.7952, -37.6207

■ 35.5450, -13.5797,  
-31.1730

■ 240.7600, -2.8397,  
-22.5915

■ 22.3060, -10.9969,  
-19.5624

■ 251.7110, 1.6215,  
-6.7625

■ 0.0000, 0.0000,  
0.0000

■ 128.1580,  
-13.3889, -45.7426

■ 128.1580,  
-13.3889, -45.7426

■ 122.1200,  
-15.8352, -54.4792

■ 134.1960,  
-10.9426, -37.0059

■ 116.0820,  
-18.2814, -63.2159

■ 140.2340, -8.4964,  
-28.2692

■ 109.9300,  
-21.1645, -71.8526

■ 146.3860, -5.6133,  
-19.6325

■ 103.8920,  
-23.6108, -80.5893

■ 152.4240, -3.1670,  
-10.8958

■ 99.3920, -25.3363,  
-87.1668

■ 158.4620, -0.7208,  
-2.1592

■ 164.5000, 1.7255,  
6.5775

■ 170.6520, 4.6086,  
15.2142

■ 176.6900, 7.0548,

23.9509

 182.7280, 9.5011,  
32.6875

# Harmonies

## Analogous

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



135.8780, -31.9849, -7.7860



128.1580, -13.3889, -45.7426



111.7550, 14.4178, -98.0091

# Triad

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



128.1580, -13.3889, -45.7426



132.0320, 44.8472, -57.9101



143.1130, -17.8037, 63.9219

# Complementary

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



128.1580, -13.3889, -45.7426



107.8420, 13.3889, 45.7426

# 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.



145.4990, 0.2470, 60.9524



128.1580, -13.3889, -45.7426



145.4090, 33.3224, -1.2357

# Square

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



128.1580, -13.3889, -45.7426



116.8000, 46.4406, -102.4336



147.7640, 18.3573, 38.7950



142.0130, -33.0374, 49.9776



# Rectangle

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



128.1580, -13.3889, -45.7426



115.4200, 25.9219, -101.2233



147.7640, 18.3573, 38.7950



143.9050, -12.2782, 64.9813

# Sweetspot

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



128.1580, -13.3889, -45.7426



196.5110, -5.1819, -17.9881



143.2480, -33.1533, -6.3565



97.4240, -3.1670, -10.8958



232.0000, 0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



128.1580, -13.3889, -45.7426



159.0440, -20.7277, -71.9526



132.8320, 4.5198, -49.8417



75.9240, -1.4415, -4.3183



88.7290, -23.0374, -77.8153



9.3750, -2.1569, -8.2219



# Inverse Universe

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



107.8420, 13.3889, 45.7426



127.0700, 21.1645, 71.8526



103.1680, -4.5198, 49.8417



74.0760, 1.4415, 4.3183



54.1570, 22.6006, 77.9153



5.7390, 2.5937, 8.1219



# Previews

## White Background



This preview shows how the YUV color 128.1580, -13.3889, -45.7426 looks on a white 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



# Black Background



This preview shows how the YUV color 128.1580, -13.3889, -45.7426 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

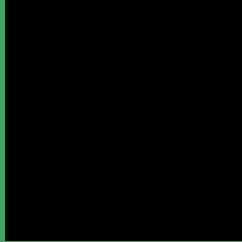
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 128.1580, -13.3889, -45.7426 Background



This preview shows how black text looks on a background with the YUV color 128.1580, -13.3889, -45.7426.



This preview shows how white text looks on a background with the YUV color 128.1580, -13.3889, -45.7426.

-45.7426.

# 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

128.1580, -13.3889, -45.7426

### Protanopia

140.4150, -22.8826, 12.7910

### Deuteranopia

142.7350, -18.1104, 22.1574



## Tritanopia

135.5420, 14.5228, -38.1863

# Trichromacy



## Original Color

128.1580, -13.3889, -45.7426

## Protanomaly

136.1950, -19.3231, -8.9410

## Deuteranomaly

137.3360, -16.4346, -2.0487

## Tritanomaly

132.8870, 4.4927, -41.1199

# Monochromacy



## Original Color

128.1580, -13.3889, -45.7426

## Achromatopsia

128.0000, 0.0000, 0.0000

## Achromatomaly

128.2230, -5.0399, -16.8586

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 128.1580, -13.3889, -45.7426 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(76, 160, 101)` looks like.

```
.text, #text, p{  
    color:rgb(76, 160, 101)  
}
```

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(76, 160, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 160, 101) }
```

## Border

The CSS property to change the border of an element to YUV 128.1580, -13.3889, -45.7426 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(76, 160, 101) }
```



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

```
.border{ border-color:rgb(76, 160, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 160, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 160, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 160, 101);  
box-shadow:4px 4px 4px 4px rgb(76, 160,  
101) }
```

# Background

The CSS property to change the background color of an element to YUV 128.1580, -13.3889, -45.7426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 160, 101) }
```

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

```
.background{ background-color: rgb(76, 160,  
101) }
```

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