

# Converting Colors

YUV(197.9840, -45.8411,  
50.0030)

Have a look what the booklet for  
YUV(197.9840, -45.8411, 50.0030)  
contains.

<b>YUV(197.9840, -45.8411, 50.0030)</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(197.9840, -45.8411,  
50.0030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBB69
RGB	255, 187, 105
RGB Percent	100%, 73%, 41%
CMY	0.0000, 0.2667, 0.5882
CMYK	0.00, 0.27, 0.59, 0.00
HSL	33°, 100%, 71%
HSV	33°, 59%, 100%
XYZ	61.5601, 57.8206, 21.2805
YIQ	197.9840, 66.8500, -11.0860

# Conversions

## Conversions Part 2

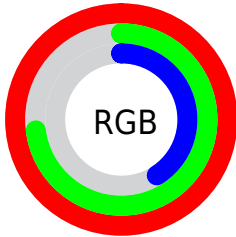
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 255, 105
Decimal	16759657
CIE Lab	80.64, 16.06, 50.55
CIE LCh	81, 53.042, 72.379
Yxy	57.8206, 0.4376, 0.4111
Android (android.graphics.Color)	4294949737 (0xFFFFBB69)
YUV	197.9840, -45.8411, 50.0030
Hunter-Lab	76.0398, 11.4398, 36.6350

# Details

The YUV color **197.9840, -45.8411, 50.0030** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **162.0160, 45.8411, -50.0030**, and the grayscale version is **198.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **236.8980, -38.8967, 15.8755**, and **143.1190, -43.9357, 45.4996** is the 20% darker color. If you saturate the color by 10%, you get **188.0900, -53.2884, 58.6801**, and if you desaturate by 10%, it is **207.9920, -37.9571, 41.2260**.

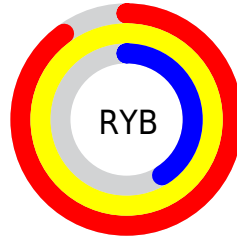
# Distribution



Red (100%)

Green (73%)

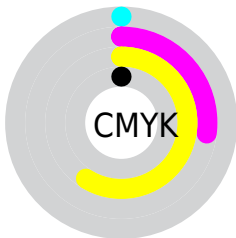
Blue (41%)



Red (90%)

Yellow (100%)

Blue (41%)

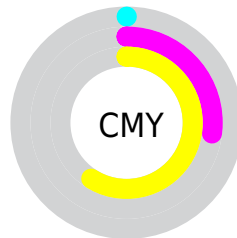


Cyan (0%)

Magenta (27%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 197.9840, -45.8411, 50.0030 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 197.9840, -45.8411, 50.0030 by changing the saturation by 10% instead.



197.9840,  
-45.8411, 50.0030

197.9840,  
-45.8411, 50.0030

255.0000, 0.0000,  
0.0000

170.2010,  
-44.9621, 48.0587

236.8980,  
-38.8967, 15.8755

143.1190,  
-43.9357, 45.4996

247.1340,  
-30.1391, 6.8985

116.5100,  
-43.6354, 42.5257

250.3260,  
-17.9087, 4.0991

89.9720, -44.3562,  
40.3666

253.6320, -5.2416,  
1.1997

68.0990, -33.5728,  
34.9932

47.1120, -23.2262,  
29.7198

26.7120, -13.1690,

23.9316

■ 9.2690, -4.5696,  
19.0581

■ 0.0000, 0.0000,  
0.0000

■ 197.9840,  
-45.8411, 50.0030

■ 197.9840,  
-45.8411, 50.0030

■ 188.0900,  
-53.2884, 58.6801

■ 207.9920,  
-37.9571, 41.2260

■ 178.6690,  
-61.4618, 66.9423

■ 217.2990,  
-30.2204, 33.0638

■ 168.6610,  
-69.3459, 75.7193

■ 227.1930,  
-22.7731, 24.3867

■ 159.3540,  
-77.0825, 83.8815

■ 236.6140,  
-14.5997, 16.1245

157.8380,  
-77.8141, 85.2111

246.6220, -6.7156,  
7.3475

255.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



191.5390, -27.3807, 55.6553



197.9840, -45.8411, 50.0030



193.9380, -46.3114, 14.0864

# Triad

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



197.9840, -45.8411, 50.0030



157.7420, 30.6932, -138.3397



203.2120, 25.5315, 24.3701

# Complementary

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



197.9840, -45.8411, 50.0030



162.0160, 45.8411, -50.0030

# 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.



191.9400, 31.0886, -31.5194



197.9840, -45.8411, 50.0030



159.9710, 46.8493, -140.2946

# Square

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



197.9840, -45.8411, 50.0030



175.7560, -3.8237, -80.4700



154.6880, 49.4538, -135.6614



198.2600, 16.1408, 49.7610



# Rectangle

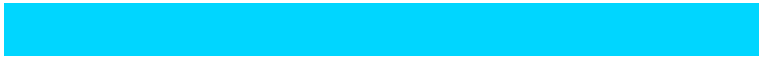
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



197.9840, -45.8411, 50.0030



190.3520, -37.6415, -13.4637



154.6880, 49.4538, -135.6614



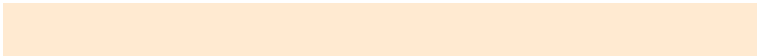
200.7430, 26.7487, 7.2414

# Sweetspot

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



197.9840, -45.8411, 50.0030



237.4290, -14.0155, 15.4098



157.8300, 8.4648, 85.2181



117.0630, -8.9051, 9.5917



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.



197.9840, -45.8411, 50.0030



186.2320, -55.3304, 60.3095



236.4050, -64.7827, 11.9228



122.9960, -3.9420, 4.3885



118.7440, -58.5408, 63.3685

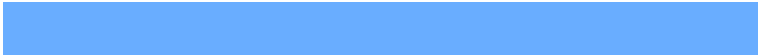


39.6810, -19.5627, 21.3278



# Inverse Universe

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



162.0160, 45.8411, -50.0030



142.7680, 55.3304, -60.3095



123.5950, 64.7827, -11.9228



120.0040, 3.9420, -4.3885



72.8430, 58.2514, -63.8833



24.3190, 19.5627, -21.3278



# Previews

## White Background



This preview shows how the YUV color 197.9840, -45.8411, 50.0030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 197.9840, -45.8411, 50.0030 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 ✓ Pass

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

# YUV 197.9840, -45.8411, 50.0030

## Background



This preview shows how black text looks on a background with the YUV color 197.9840, -45.8411, 50.0030.



This preview shows how white text looks on a background with the YUV color 197.9840, -45.8411, 50.0030.



# 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

197.9840, -45.8411, 50.0030

### Protanopia

196.6060, -42.6968, 21.3935

### Deuteranopia

197.5270, -46.1088, 42.5108



## Tritanopia

203.7930, -5.8139, 44.9085

# Trichromacy



## Original Color

197.9840, -45.8411, 50.0030

## Protanomaly

197.0310, -43.8923, 31.5448

## Deuteranomaly

197.8370, -46.2616, 44.8700

## Tritanomaly

201.9060, -20.6597, 46.5634

# Monochromacy



## Original Color

197.9840, -45.8411, 50.0030

## Achromatopsia

198.0000, 0.0000, 0.0000

## Achromatomaly

198.0550, -16.7891, 18.3688

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 197.9840, -45.8411, 50.0030 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(255, 187, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 105)  
}
```

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(255, 187, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 105) }
```

## Border

The CSS property to change the border of an element to YUV 197.9840, -45.8411, 50.0030 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".

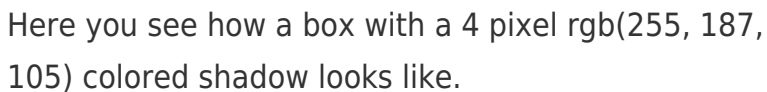
```
.border, #border, table{ border:4px solid rgb(255, 187, 105) }
```



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

```
.border{ border-color:rgb(255, 187, 105) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 187, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
105) }
```

# Background

The CSS property to change the background color of an element to YUV 197.9840, -45.8411, 50.0030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 105) }
```

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

```
.background{ background-color: rgb(255,  
187, 105) }
```

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