

# Converting Colors

YUV(202.9090, -49.2551,  
-21.8452)

Have a look what the booklet for  
YUV(202.9090, -49.2551, -21.8452)  
contains.

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# Color

**YUV(202.9090, -49.2551,  
-21.8452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2EB67
RGB	178, 235, 103
RGB Percent	70%, 92%, 40%
CMY	0.3020, 0.0784, 0.5961
CMYK	0.24, 0.00, 0.56, 0.08
HSL	86°, 77%, 66%
HSV	86°, 56%, 92%
XYZ	50.5166, 69.8609, 23.6540
YIQ	202.9090, 8.4000, -53.1360

# Conversions

## Conversions Part 2

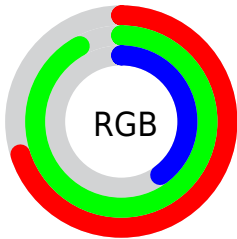
Format	Color
<a href="#">RYB</a>	<a href="#">103, 235, 160</a>
Decimal	<a href="#">11725671</a>
CIELab	<a href="#">86.93, -38.65, 57.23</a>
CIElCh	<a href="#">87, 69.059, 124.028</a>
Yxy	<a href="#">69.8609, 0.3507, 0.4850</a>
Android (android.graphics.Color)	<a href="#">4289915751 (0xFFB2EB67)</a>
YUV	<a href="#">202.9090, -49.2551, -21.8452</a>
Hunter-Lab	<a href="#">83.5828, -38.3864, 41.7289</a>

# Details

The YUV color **202.9090, -49.2551, -21.8452** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **135.0910, 49.2551, 21.8452**, and the grayscale version is **203.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **238.2610, -39.5687, -1.9829**, and **147.0230, -48.8183, -21.9452** is the 20% darker color. If you saturate the color by 10%, you get **197.1830, -58.2642, -25.5935**, and if you desaturate by 10%, it is **208.6350, -40.2461, -18.0969**.

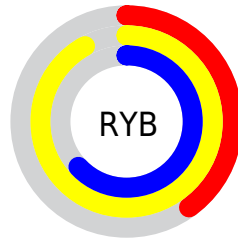
# Distribution



Red (70%)

Green (92%)

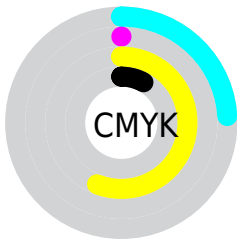
Blue (40%)



Red (40%)

Yellow (92%)

Blue (63%)

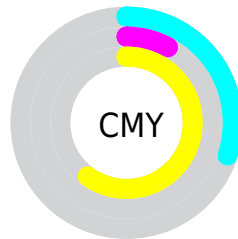


Cyan (24%)

Magenta (0%)

Yellow (56%)

Black (8%)



Cyan (30%)

Magenta (8%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 202.9090, -49.2551, -21.8452 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 202.9090, -49.2551, -21.8452 by changing the saturation by 10% instead.



■ 202.9090,  
-49.2551, -21.8452

■ 202.9090,  
-49.2551, -21.8452

255.0000, 0.0000,  
0.0000

■ 175.0230,  
-48.8183, -21.9452

■ 238.2610,  
-39.5687, -1.9829

■ 147.0230,  
-48.8183, -21.9452

■ 247.1340,  
-30.1391, 6.8985

■ 118.9260,  
-51.7285, -21.8601

■ 250.3260,  
-17.9087, 4.0991

■ 93.9950, -46.3395,  
-23.6746

■ 253.6320, -5.2416,  
1.1997

■ 70.0620, -34.5406,  
-28.1184

■ 44.6120, -21.9937,  
-39.1247

■ 30.5240, -15.0483,

-26.7695

■ 18.7840, -9.2605,  
-16.4736

■ 0.0000, 0.0000,  
0.0000

■ 202.9090,  
-49.2551, -21.8452

■ 202.9090,  
-49.2551, -21.8452

■ 197.1830,  
-58.2642, -25.5935

■ 208.6350,  
-40.2461, -18.0969

■ 191.5710,  
-66.8365, -29.4418

■ 214.2470,  
-31.6738, -14.2486

■ 185.9590,  
-75.4088, -33.2900

■ 219.9730,  
-22.6647, -10.5003

■ 179.9340,  
-84.2705, -37.6531

■ 225.8840,  
-14.2398, -6.0373

■ 178.0110,  
-87.7594, -38.5976

■ 231.6100, -5.2307,  
-2.2890

■ 237.2220, 3.3416,  
1.5593

■ 241.4660, 6.6723,  
6.6073

■ 243.2600, 5.7878,  
10.2960

# Harmonies

## Analogous

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



209.9390, -64.5529, 31.6255



202.9090, -49.2551, -21.8452



186.0350, -13.8213, -93.8697

# Triad

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



202.9090, -49.2551, -21.8452



169.9500, 41.9297, -149.0461



193.6320, 8.5624, 53.8197

# Complementary

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



202.9090, -49.2551, -21.8452



135.0910, 49.2551, 21.8452

# 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.



205.6920, 24.3088, 43.2431



202.9090, -49.2551, -21.8452



190.1810, 31.9558, -76.4577

# Square

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



202.9090, -49.2551, -21.8452



174.6460, 39.6145, -153.1645



214.3760, 20.0276, 16.3332



192.9070, -22.1392, 54.4556



# Rectangle

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



202.9090, -49.2551, -21.8452



169.1910, 16.1748, -148.3805



214.3760, 20.0276, 16.3332



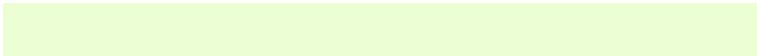
197.4280, 18.0300, 50.4906

# Sweetspot

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



202.9090, -49.2551, -21.8452



244.4170, -15.9816, -7.3817



174.7530, -35.3742, 52.8366



121.4480, -9.5879, -4.7779



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.



202.9090, -49.2551, -21.8452



213.3800, -63.7843, -28.3973



183.7730, -39.8211, -61.1909



114.2510, -4.0677, -1.9741



137.0440, -67.5627, -29.8566



40.6680, -20.0493, -9.3558



# Inverse Universe

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



135.0910, 49.2551, 21.8452



125.6200, 63.7843, 28.3973



154.2270, 39.8211, 61.1909



108.7490, 4.0677, 1.9741



43.9560, 67.5627, 29.8566

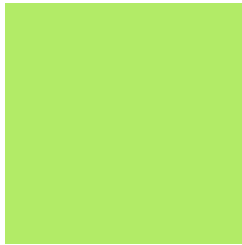


13.0330, 20.1967, 8.7411



# Previews

## White Background



This preview shows how the YUV color 202.9090, -49.2551, -21.8452 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 202.9090, -49.2551, -21.8452 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

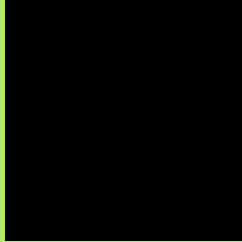
Any Text WCAG AA ✓ Pass

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 202.9090, -49.2551, -21.8452 Background



This preview shows how black text looks on a background with the YUV color 202.9090, -49.2551, -21.8452.



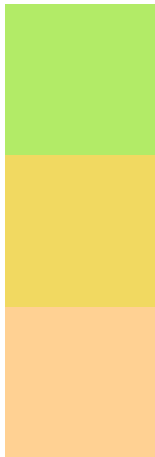
This preview shows how white text looks on a background with the YUV color 202.9090, -49.2551, -21.8452.

-21.8452.

# 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

202.9090, -49.2551, -21.8452

### Protanopia

210.4960, -55.9535, 26.7520

### Deuteranopia

215.6860, -33.8622, 34.4784



## Tritanopia

215.4630, 11.1107, -17.0691

# Trichromacy



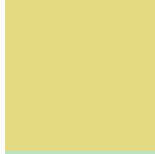
## Original Color

202.9090, -49.2551, -21.8452



## Protanomaly

207.9560, -53.7153, 8.8086



## Deuteranomaly

210.7730, -39.3281, 14.2311



## Tritanomaly

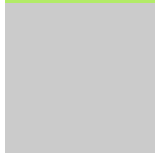
210.7190, -10.7075, -19.0476

# Monochromacy



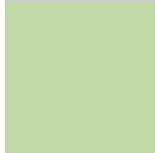
## Original Color

202.9090, -49.2551, -21.8452



## Achromatopsia

203.0000, 0.0000, 0.0000



## Achromatomaly

203.2490, -17.8708, -8.1114

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 202.9090, -49.2551, -21.8452 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(178, 235, 103)` looks like.

```
.text, #text, p{  
    color:rgb(178, 235, 103)  
}
```

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(178, 235, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 235, 103) }
```

## Border

The CSS property to change the border of an element to YUV 202.9090, -49.2551, -21.8452 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(178, 235, 103) }
```



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

```
.border{ border-color:rgb(178, 235, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 235, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 235, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 235, 103);  
box-shadow:4px 4px 4px 4px rgb(178, 235,  
103) }
```

# Background

The CSS property to change the background color of an element to YUV 202.9090, -49.2551, -21.8452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 235, 103) }
```

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

```
.background{ background-color: rgb(178,  
235, 103) }
```

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](#).

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