

# Converting Colors

YUV(178.6940, -43.2331,  
-40.0736)

Have a look what the booklet for  
YUV(178.6940, -43.2331, -40.0736)  
contains.

<b>YUV(178.6940, -43.2331, -40.0736)</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(178.6940, -43.2331,  
-40.0736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85DB5B
RGB	133, 219, 91
RGB Percent	52%, 86%, 36%
CMY	0.4784, 0.1412, 0.6431
CMYK	0.39, 0.00, 0.58, 0.14
HSL	100°, 64%, 61%
HSV	100°, 58%, 86%
XYZ	36.8927, 56.4049, 18.8403
YIQ	178.6940, -10.1680, -58.0400

# Conversions

## Conversions Part 2

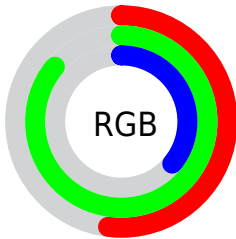
Format	Color
<b>RYB</b>	<b>91, 219, 177</b>
Decimal	8772443
CIELab	79.84, -48.39, 53.80
CIElCh	80, 72.360, 131.970
Yxy	56.4049, 0.3290, 0.5030
Android (android.graphics.Color)	4286962523 (0xFF85DB5B)
YUV	178.6940, -43.2331, -40.0736
Hunter-Lab	75.1032, -43.7466, 37.6988

# Details

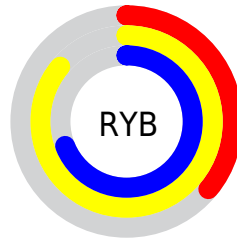
The YUV color **178.6940, -43.2331, -40.0736** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **131.3060, 43.2331, 40.0736**, and the grayscale version is **179.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **223.0250, -38.4663, -28.9629**, and **122.5090, -42.6489, -40.7884** is the 20% darker color. If you saturate the color by 10%, you get **171.7010, -50.6316, -47.0958**, and if you desaturate by 10%, it is **185.6870, -35.8347, -33.0515**.

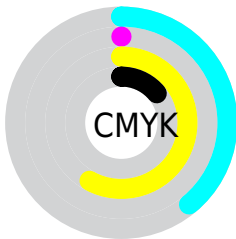
# Distribution



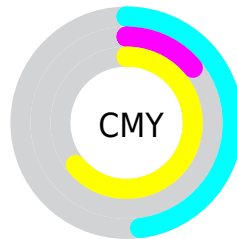
- Red (52%)
- Green (86%)
- Blue (36%)



- Red (36%)
- Yellow (86%)
- Blue (69%)



- Cyan (39%)
- Magenta (0%)
- Yellow (58%)
- Black (14%)



- Cyan (48%)
- Magenta (14%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 178.6940, -43.2331, -40.0736 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 178.6940, -43.2331, -40.0736 by changing the saturation by 10% instead.



■ 178.6940,  
-43.2331, -40.0736

■ 178.6940,  
-43.2331, -40.0736

255.0000, 0.0000,  
0.0000

■ 150.8080,  
-42.7963, -40.1736

■ 223.0250,  
-38.4663, -28.9629

■ 122.5090,  
-42.6489, -40.7884

■ 235.1870,  
-30.6582, -13.3190

■ 93.2870, -45.9905,  
-42.3477

■ 247.0500,  
-22.7027, 1.7101

■ 64.5700, -31.8330,  
-56.6279

■ 252.1500,  
-10.9200, 2.4994

■ 49.8950, -24.5982,  
-43.7579

■ 35.8070, -17.6529,  
-31.4027

■ 22.8930, -11.2862,

-20.0772

■ 0.0000, 0.0000,  
0.0000

■ 178.6940,  
-43.2331, -40.0736

■ 178.6940,  
-43.2331, -40.0736

■ 171.7010,  
-50.6316, -47.0958

■ 185.6870,  
-35.8347, -33.0515

■ 165.0070,  
-58.1775, -53.5031

■ 192.3810,  
-28.2888, -26.6441

■ 158.0140,  
-65.5759, -60.5253

■ 199.3740,  
-20.8904, -19.6220

■ 151.0210,  
-72.9744, -67.5474

■ 206.3670,  
-13.4919, -12.5999

■ 150.0810,  
-73.9899, -68.4770

■ 213.2460, -6.5303,  
-5.4777

■ 219.9400, 1.0156,  
0.9296

■ 226.9330, 8.4140,  
7.9518

■ 232.6720, 11.0077,  
16.0737

■ 233.8680, 10.4181,  
18.5328

# Harmonies

## Analogous

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



187.1670, -67.1303, 18.2705



178.6940, -43.2331, -40.0736



151.3920, 1.2857, -132.7708

# Triad

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



178.6940, -43.2331, -40.0736



156.4490, 48.5856, -137.2058



175.3260, -0.6537, 69.8741

# Complementary

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



178.6940, -43.2331, -40.0736



131.3060, 43.2331, 40.0736

# 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.



187.0730, 26.5860, 59.5720



178.6940, -43.2331, -40.0736



178.8060, 37.5636, -55.0809

# Square

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



178.6940, -43.2331, -40.0736



162.3190, 45.6917, -142.3538



198.2500, 27.9778, 33.1067



178.7100, -33.3810, 66.9063



# Rectangle

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



178.6940, -43.2331, -40.0736



157.8100, 20.7997, -138.3994



198.2500, 27.9778, 33.1067



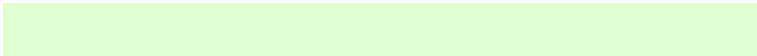
177.2470, 9.2452, 68.1894

# Sweetspot

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



178.6940, -43.2331, -40.0736



240.4870, -15.5231, -14.4591



179.1670, -43.4663, 34.9335



119.0130, -9.8664, -8.7814



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.



178.6940, -43.2331, -40.0736



198.8280, -60.0612, -55.9772



168.5300, -27.8693, -67.9938



106.3540, -3.6255, -3.8185



118.5940, -58.4668, -54.0179



31.4870, -15.5231, -14.4591



# Inverse Universe

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



131.3060, 43.2331, 40.0736



132.8730, 60.2086, 55.3624



141.4700, 27.8693, 67.9938



102.3470, 3.7729, 3.2037



54.7050, 58.3194, 54.6327



14.5130, 15.5231, 14.4591



# Previews

## White Background



This preview shows how the YUV color 178.6940, -43.2331, -40.0736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

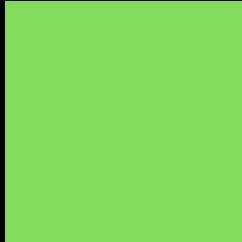
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 178.6940, -43.2331, -40.0736 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

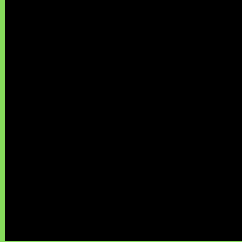
Any Text WCAG AA ✓ Pass

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 178.6940, -43.2331, -40.0736 Background



This preview shows how black text looks on a background with the YUV color 178.6940, -43.2331, -40.0736.



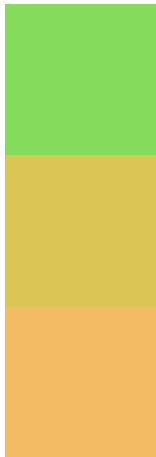
This preview shows how white text looks on a background with the YUV color 178.6940, -43.2331, -40.0736.

-40.0736.

# 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

178.6940, -43.2331, -40.0736

### Protanopia

190.6960, -52.6011, 24.8226

### Deuteranopia

193.5270, -46.1088, 42.5108



## **Tritanopia**

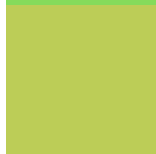
192.5750, 14.5065, -32.9533

# Trichromacy



## Original Color

178.6940, -43.2331, -40.0736



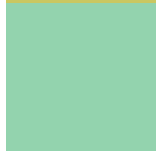
## Protanomaly

186.4650, -49.0362, 1.3462



## Deuteranomaly

188.2690, -44.9956, 12.0421



## Tritanomaly

187.6460, -6.7275, -35.6465

# Monochromacy



## Original Color

178.6940, -43.2331, -40.0736



## Achromatopsia

179.0000, 0.0000, 0.0000



## Achromatomaly

179.0740, -15.8125, -14.9739

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 178.6940, -43.2331, -40.0736 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(133, 219, 91)` looks like.

```
.text, #text, p{  
    color:rgb(133, 219, 91)  
}
```

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(133, 219, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 219, 91) }
```

## Border

The CSS property to change the border of an element to YUV 178.6940, -43.2331, -40.0736 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(133, 219, 91) }
```



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

```
.border{ border-color:rgb(133, 219, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 219, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 219, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 219, 91);  
box-shadow:4px 4px 4px 4px rgb(133, 219,  
91) }
```

# Background

The CSS property to change the background color of an element to YUV 178.6940, -43.2331, -40.0736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 219, 91) }
```

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

```
.background{ background-color: rgb(133,  
219, 91) }
```

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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