

# Converting Colors

YUV(173.7920, -85.6795,  
-52.4376)

Have a look what the booklet for  
YUV(173.7920, -85.6795, -52.4376)  
contains.

<b>YUV(173.7920, -85.6795, -52.4376)</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> .....	30

# Color

**YUV(173.7920, -85.6795,  
-52.4376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72EE00
RGB	114, 238, 0
RGB Percent	45%, 93%, 0%
CMY	0.5529, 0.0667, 1.0000
CMYK	0.52, 0.00, 1.00, 0.07
HSL	91°, 100%, 47%
HSV	91°, 100%, 93%
XYZ	37.5140, 64.7265, 10.5163
YIQ	173.7920, 2.4940, -100.3060

# Conversions

## Conversions Part 2

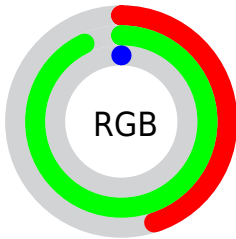
Format	Color
R <sub>YB</sub>	0, 238, 124
Decimal	7532032
CIE Lab	84.34, -65.75, 81.24
CIE LCh	84, 104.512, 128.982
Yxy	64.7265, 0.3327, 0.5740
Android (android.graphics.Color)	4285722112 (0xFF72EE00)
YUV	173.7920, -85.6795, -52.4376
Hunter-Lab	80.4528, -57.5604, 48.5669

# Details

The YUV color **173.7920, -85.6795, -52.4376** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **64.2080, 85.6795, 52.4376**, and the grayscale version is **175.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **212.7540, -61.0107, -31.3563**, and **117.9080, -58.1286, -69.2023** is the 20% darker color. If you saturate the color by 10%, you get **173.7920, -85.6795, -52.4376**, and if you desaturate by 10%, it is **180.1160, -76.9652, -47.4597**.

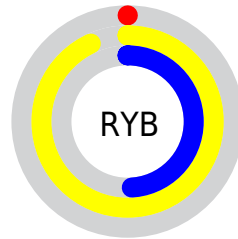
# Distribution



Red (45%)

Green (93%)

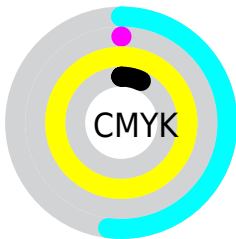
Blue (0%)



Red (0%)

Yellow (93%)

Blue (49%)

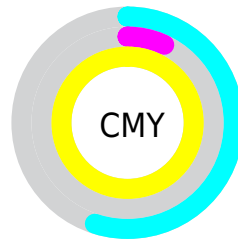


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (55%)

Magenta (7%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 173.7920, -85.6795, -52.4376 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 173.7920, -85.6795, -52.4376 by changing the saturation by 10% instead.



■ 173.7920,  
-85.6795, -52.4376

■ 173.7920,  
-85.6795, -52.4376

255.0000, 0.0000,  
0.0000

■ 146.6030,  
-72.2753, -58.4108

■ 212.7540,  
-61.0107, -31.3563

■ 117.9080,  
-58.1286, -69.2023

■ 225.2580,  
-51.8922, -16.0123

■ 89.8110, -44.2768,  
-78.7642

■ 237.8330,  
-43.7947, 0.1465

■ 73.9620, -36.4633,  
-64.8647

■ 246.3360,  
-33.1966, 7.5983

■ 58.7000, -28.9391,  
-51.4799

■ 249.7560,  
-20.0927, 4.5990

■ 44.0250, -21.7043,  
-38.6099

■ 253.1760, -6.9888,

■ 29.9370, -14.7589,

1.5996

-26.2547

■ 14.0880, -6.9454,  
-12.3552

■ 0.0000, 0.0000,  
0.0000

■ 173.7920,  
-85.6795, -52.4376

■ 180.1160,  
-76.9652, -47.4597

■ 186.7390,  
-68.3983, -41.8671

■ 192.9490,  
-60.1209, -36.7893

■ 199.5720,  
-51.5540, -31.1966

■ 205.8960,  
-42.8397, -26.2188

■ 212.2200,  
-34.1255, -21.2409

■ 218.8430,  
-25.5586, -15.6483

■ 225.0530,  
-17.2811, -10.5705

■ 231.6760, -8.7143,  
-4.9779

# Harmonies

## Analogous

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



194.3660, -95.8224, 27.7430



173.7920, -85.6795, -52.4376



161.5530, -13.0906, -141.6820

# Triad

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



173.7920, -85.6795, -52.4376



169.9500, 41.9297, -149.0461



150.1650, 17.1737, 91.9403

# Complementary

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



173.7920, -85.6795, -52.4376



64.2080, 85.6795, 52.4376

# 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.



172.2330, 40.8041, 72.5867



173.7920, -85.6795, -52.4376



154.1010, 49.7432, -135.1466

# Square

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



173.7920, -85.6795, -52.4376



176.9940, 38.4570, -155.2237



202.4250, 25.9195, 39.9693



162.8150, -35.8978, 80.8462



# Rectangle

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



173.7920, -85.6795, -52.4376



171.7670, 15.8909, -150.6397



202.4250, 25.9195, 39.9693



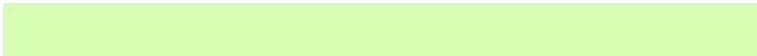
154.5140, 31.2986, 88.1262

# Sweetspot

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



173.7920, -85.6795, -52.4376



234.3760, -27.3004, -16.9928



143.3630, -70.6780, 82.9966



115.5800, -16.5549, -10.1557



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.



173.7920, -85.6795, -52.4376



186.1630, -91.7784, -56.2710



140.1620, -67.1279, -122.9221



116.8380, -4.3571, -2.4889



134.3200, -66.2198, -40.6226



40.9450, -20.1859, -12.2298



# Inverse Universe

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



64.2080, 85.6795, 52.4376



68.8370, 91.7784, 56.2710



97.8380, 67.1279, 122.9221



111.1620, 4.3571, 2.4889



49.6800, 66.2198, 40.6226

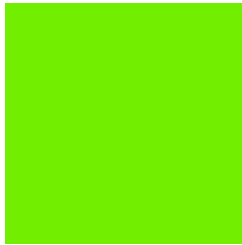


15.0550, 20.1859, 12.2298



# Previews

## White Background



This preview shows how the YUV color 173.7920, -85.6795, -52.4376 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 173.7920, -85.6795, -52.4376 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

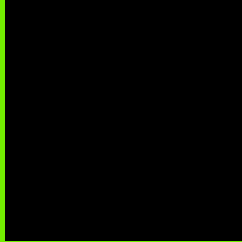
Any Text WCAG AA ✓ Pass

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 173.7920, -85.6795, -52.4376 Background



This preview shows how black text looks on a background with the YUV color 173.7920, -85.6795, -52.4376.



This preview shows how white text looks on a background with the YUV color 173.7920, -85.6795, -52.4376.



# 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



### Protanopia

193.2470, -95.2708, 37.4944

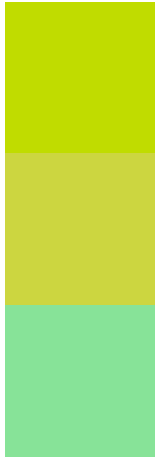
### Deuteranopia

205.0450, -51.7872, 43.8105

### Tritanopia

200.9260, 18.7705, -47.2931

# Trichromacy



## Protanomaly

186.5480, -91.9682, 4.7814

## Deuteranomaly

193.9100, -64.0456, 8.8489

## Tritanomaly

190.9420, -19.1984, -49.0611

# Monochromacy



## Achromatopsia

174.0000, 0.0000, 0.0000

## Achromatomaly

173.7410, -30.9313, -19.0669

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 173.7920, -85.6795, -52.4376 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(114, 238, 0)` looks like.

```
.text, #text, p{  
    color:rgb(114, 238, 0)  
}
```

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(114, 238, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 238, 0) }
```

## Border

The CSS property to change the border of an element to YUV 173.7920, -85.6795, -52.4376 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(114, 238, 0) }
```

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

```
.border{ border-color:rgb(114, 238, 0) }
```

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

Here you see how a box with a 4 pixel rgb(114, 238, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 238, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 238, 0);  
box-shadow:4px 4px 4px 4px rgb(114, 238,  
0) }
```



# Background

The CSS property to change the background color of an element to YUV 173.7920, -85.6795, -52.4376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 238, 0) }
```

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

```
.background{ background-color: rgb(114,  
238, 0) }
```

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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