

# Converting Colors

YUV(192.2800, -78.5250,  
33.0804)

Have a look what the booklet for  
YUV(192.2800, -78.5250, 33.0804)  
contains.

<b>YUV(192.2800, -78.5250, 33.0804)</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(192.2800, -78.5250,  
33.0804)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6CC21
RGB	230, 204, 33
RGB Percent	90%, 80%, 13%
CMY	0.0980, 0.2000, 0.8706
CMYK	0.00, 0.11, 0.86, 0.10
HSL	52°, 80%, 52%
HSV	52°, 86%, 90%
XYZ	54.5005, 60.1185, 10.1704
YIQ	192.2800, 70.3870, -47.6690

# Conversions

## Conversions Part 2

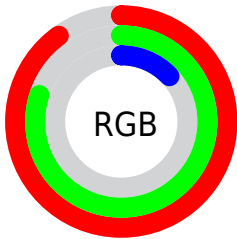
Format	Color
R <sub>Y</sub> B	63, 230, 33
Decimal	15125537
CIE Lab	81.90, -6.60, 78.05
CIE LCh	82, 78.331, 94.835
Yxy	60.1185, 0.4367, 0.4818
Android (android.graphics.Color)	4293315617 (0xFFE6CC21)
YUV	192.2800, -78.5250, 33.0804
Hunter-Lab	77.5361, -10.2198, 46.4982

# Details

The YUV color **192.2800, -78.5250, 33.0804** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **70.7200, 78.5250, -33.0804**, and the grayscale version is **193.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **237.1020, -68.5773, 15.6965**, and **138.8800, -68.4678, 27.2922** is the 20% darker color. If you saturate the color by 10%, you get **187.8970, -87.7032, 36.9243**, and if you desaturate by 10%, it is **196.6630, -69.3469, 29.2365**.

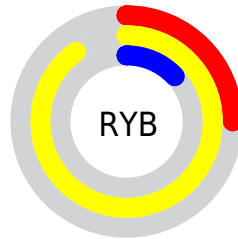
# Distribution



Red (90%)

Green (80%)

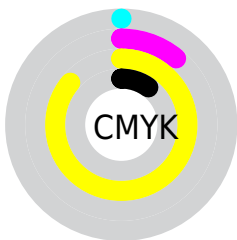
Blue (13%)



Red (25%)

Yellow (90%)

Blue (13%)

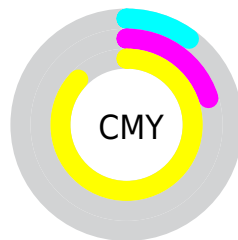


Cyan (0%)

Magenta (11%)

Yellow (86%)

Black (10%)



Cyan (10%)

Magenta (20%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 192.2800, -78.5250, 33.0804 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 192.2800, -78.5250, 33.0804 by changing the saturation by 10% instead.



■ 192.2800,  
-78.5250, 33.0804

■ 192.2800,  
-78.5250, 33.0804

■ 255.0000, 0.0000,  
0.0000

■ 163.6990,  
-80.7036, 31.8360

■ 237.1020,  
-68.5773, 15.6965

■ 138.8800,  
-68.4678, 27.2922

■ 240.4080,  
-55.9101, 12.7972

■ 115.5340,  
-56.9583, 22.3337

■ 243.6000,  
-43.6798, 9.9978

■ 92.1880, -45.4487,  
17.3751

■ 246.9060,  
-31.0127, 7.0984

■ 70.3150, -34.6653,  
12.0017

■ 250.2120,  
-18.3455, 4.1991

■ 48.7410, -24.0293,  
7.2431

■ 253.6320, -5.2416,

■ 28.9390, -14.2669,

1.1997

2.6845

■ 7.0440, -3.4727,  
-6.1776

■ 0.0000, 0.0000,  
0.0000

■ 192.2800,  
-78.5250, 33.0804

■ 192.2800,  
-78.5250, 33.0804

■ 187.8970,  
-87.7032, 36.9243

■ 196.6630,  
-69.3469, 29.2365

■ 186.1700,  
-91.7818, 38.4389

■ 201.0460,  
-60.1687, 25.3927

■ 205.4290,  
-50.9905, 21.5488

■ 209.8120,  
-41.8123, 17.7049

■ 214.1950,  
-32.6341, 13.8610

■ 218.5780,  
-23.4560, 10.0171

■ 222.9610,  
-14.2778, 6.1732

■ 227.3440, -5.0996,  
2.3293

■ 231.7270, 4.0786,  
-1.5146

# Harmonies

## Analogous

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



187.5540, -60.4191, 59.1501



192.2800, -78.5250, 33.0804



185.1550, -55.7854, -27.3229

# Triad

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



192.2800, -78.5250, 33.0804



168.1890, 42.7978, -147.5018



191.6040, 31.2542, 55.5983

# Complementary

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



192.2800, -78.5250, 33.0804



70.7200, 78.5250, -33.0804

# 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.



200.2220, 27.0056, 18.2223



192.2800, -78.5250, 33.0804



162.9060, 45.4023, -142.8686

# Square

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



192.2800, -78.5250, 33.0804



164.1020, 24.5997, -143.9175



151.1660, 51.1902, -132.5726



175.9590, 9.3872, 69.3190



# Rectangle

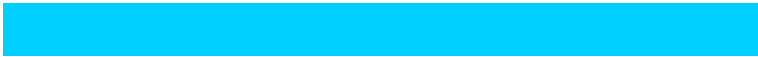
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



192.2800, -78.5250, 33.0804



172.2140, -28.6995, -81.7487



151.1660, 51.1902, -132.5726



197.4740, 28.3603, 50.4503

# Sweetspot

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



192.2800, -78.5250, 33.0804



242.1930, -26.2241, 11.2317



94.8670, -17.6824, 118.5116



119.9180, -15.7356, 7.0879



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.



192.2800, -78.5250, 33.0804



205.9720, -101.5442, 42.9976



186.0140, -75.4359, -24.5683



112.4580, -4.6628, 2.2293



144.5060, -71.2415, 30.2512



41.0770, -20.2510, 8.7025



# Inverse Universe

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



70.7200, 78.5250, -33.0804



49.0280, 101.5442, -42.9976



76.9860, 75.4359, 24.5683



105.5420, 4.6628, -2.2293



34.4940, 71.2415, -30.2512



9.9230, 20.2510, -8.7025



# Previews

## White Background



This preview shows how the YUV color 192.2800, -78.5250, 33.0804 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

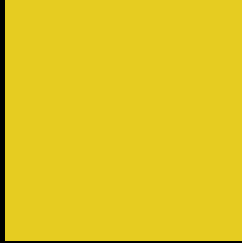
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 192.2800, -78.5250, 33.0804 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 192.2800, -78.5250, 33.0804 Background



This preview shows how black text looks on a background with the YUV color 192.2800, -78.5250, 33.0804.



This preview shows how white text looks on a background with the YUV color 192.2800, -78.5250,



# 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

192.2800, -78.5250, 33.0804

### Protanopia

191.9810, -78.3776, 32.4657

### Deuteranopia

196.7350, -68.3964, 51.0984



## Tritanopia

207.2580, -1.1132, 30.4687

# Trichromacy



## Original Color

192.2800, -78.5250, 33.0804

## Protanomaly

191.9810, -78.3776, 32.4657

## Deuteranomaly

195.3660, -72.1584, 44.4060

## Tritanomaly

201.8150, -29.4888, 31.7342

# Monochromacy



## Original Color

192.2800, -78.5250, 33.0804

## Achromatopsia

192.0000, 0.0000, 0.0000

## Achromatomaly

191.9220, -28.5555, 12.3464

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 192.2800, -78.5250, 33.0804 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(230, 204, 33)` looks like.

```
.text, #text, p{  
    color:rgb(230, 204, 33)  
}
```

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(230, 204, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 204, 33) }
```

## Border

The CSS property to change the border of an element to YUV 192.2800, -78.5250, 33.0804 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(230, 204, 33) }
```



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

```
.border{ border-color:rgb(230, 204, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 204, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 204, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 204, 33);  
box-shadow:4px 4px 4px 4px rgb(230, 204,  
33) }
```

# Background

The CSS property to change the background color of an element to YUV 192.2800, -78.5250, 33.0804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 204, 33) }
```

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

```
.background{ background-color: rgb(230,  
204, 33) }
```

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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