

# Converting Colors

YUV(236.5100, -0.2514,  
-12.7253)

Have a look what the booklet for  
YUV(236.5100, -0.2514, -12.7253)  
contains.

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# Color

**YUV(236.5100, -0.2514,  
-12.7253)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEF4EC
RGB	222, 244, 236
RGB Percent	87%, 96%, 93%
CMY	0.1294, 0.0431, 0.0745
CMYK	0.09, 0.00, 0.03, 0.04
HSL	158°, 50%, 91%
HSV	158°, 9%, 96%
XYZ	77.6152, 86.2871, 91.9212
YIQ	236.5100, -10.5440, -7.1520

# Conversions

## Conversions Part 2

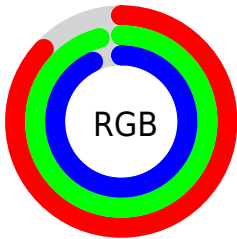
Format	Color
R <sub>Y</sub> B	222, 235, 244
Decimal	14611692
CIE Lab	94.43, -8.67, 1.38
CIE LCh	94, 8.775, 170.940
Yxy	86.2871, 0.3034, 0.3373
Android (android.graphics.Color)	4292801772 (0xFFDEF4EC)
YUV	236.5100, -0.2514, -12.7253
Hunter-Lab	92.8908, -13.4128, 6.3525

# Details

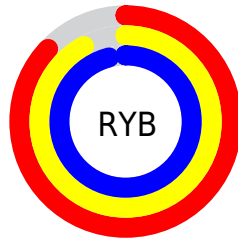
The YUV color  $236.5100, -0.2514, -12.7253$  is a light color, and the websafe version is hex  $CCFFFF$ . A complement of this color would be  $229.4900, 0.2514, 12.7253$ , and the grayscale version is  $237.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, 0.0000, 0.0000$ , and  $180.8090, -0.3988, -12.1105$  is the 20% darker color. If you saturate the color by 10%, you get  $228.3080, -0.6448, -26.5801$ , and if you desaturate by 10%, it is  $244.7120, 0.1420, 1.1296$ .

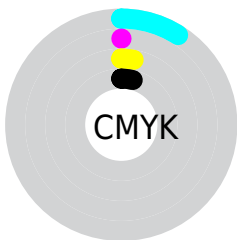
# Distribution



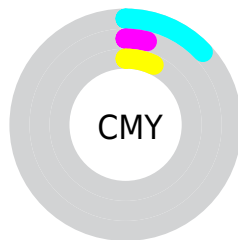
- Red (87%)
- Green (96%)
- Blue (93%)



- Red (87%)
- Yellow (92%)
- Blue (96%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)



- Cyan (13%)
- Magenta (4%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 236.5100, -0.2514, -12.7253 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 236.5100, -0.2514, -12.7253 by changing the saturation by 10% instead.



■ 236.5100, -0.2514,  
-12.7253

■ 236.5100, -0.2514,  
-12.7253

255.0000, 0.0000,  
0.0000

■ 208.5100, -0.2514,  
-12.7253

■ 180.8090, -0.3988,  
-12.1105

■ 153.8090, -0.3988,  
-12.1105

■ 128.2220, -0.1094,  
-11.5957

■ 102.6350, 0.1799,  
-11.0809

■ 78.6350, 0.1799,  
-11.0809

■ 55.9340, 0.0325,

-10.4661

■ 34.2330, -0.1149,  
-9.8513

■ 13.1080, -0.5462,  
-11.4957

■ 236.5100, -0.2514,  
-12.7253

■ 236.5100, -0.2514,  
-12.7253

■ 228.3080, -0.6448,  
-26.5801

■ 244.7120, 0.1420,  
1.1296

■ 219.8070, -0.8909,  
-41.0497

■ 248.4290, 2.7465,  
5.7628

■ 211.6050, -1.2843,  
-54.9046

■ 248.5430, 3.1833,  
5.6628

■ 203.2180, -1.0935,  
-69.4742

■ 195.0160, -1.4869,  
-83.3290

■ 186.8140, -1.8803,  
-97.1839

■ 178.3130, -2.1263,  
-111.6535

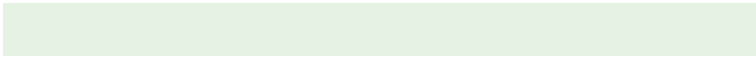
■ 170.1110, -2.5197,  
-125.5083

■ 161.6100, -2.7657,  
-139.9780

# Harmonies

## Analogous

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



237.4030, -4.6357, -6.4924



236.5100, -0.2514, -12.7253



236.3400, 4.2694, -16.0842

# Triad

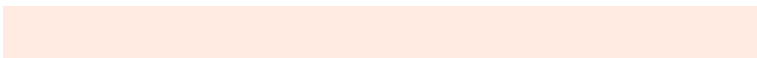
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



236.5100, -0.2514, -12.7253



239.9380, 7.4256, -1.6996



239.9540, -6.8793, 13.1953

# Complementary

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



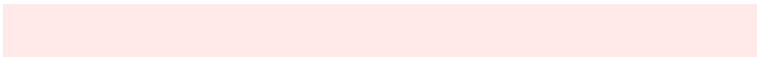
236.5100, -0.2514, -12.7253



229.4900, 0.2514, 12.7253

# 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.



240.1650, -3.5323, 13.0103



236.5100, -0.2514, -12.7253



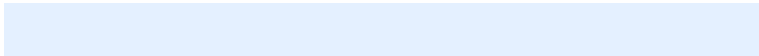
240.5970, 4.6357, 6.4924

# Square

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



236.5100, -0.2514, -12.7253



238.1220, 8.3209, -8.8770



241.1910, 0.3988, 12.1105



238.8780, -8.3209, 8.8770

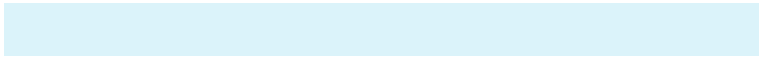


# Rectangle

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



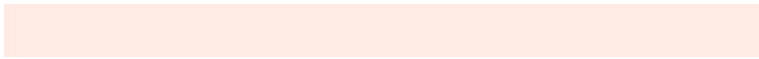
236.5100, -0.2514, -12.7253



236.6220, 6.5954, -15.4545



241.1910, 0.3988, 12.1105



239.5950, -5.7163, 13.5102

# Sweetspot

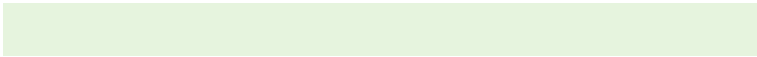
The Sweet Spot groups the original color and five complimentary colors.



236.5100, -0.2514, -12.7253



252.2660, -0.1311, -4.6183



237.3060, -7.5459, -6.4074



125.9780, 0.0108, -3.4887



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

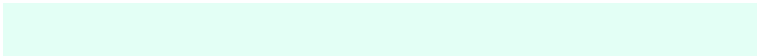


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



236.5100, -0.2514, -12.7253



245.4880, -0.2406, -16.2140



235.6610, 4.1111, -11.9807



117.9560, 0.0217, -6.9774



122.6340, -2.2846, -107.5500



38.8510, -0.9125, -34.0723



# Inverse Universe

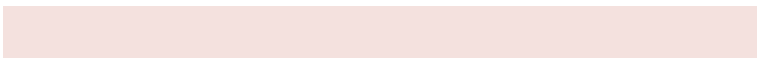
The Inverse Universe completely reimagines the original color for something new.



229.4900, 0.2514, 12.7253



236.5120, 0.2406, 16.2140



230.3390, -4.1111, 11.9807



114.1580, 0.4151, 6.8774



63.3660, 2.2846, 107.5500

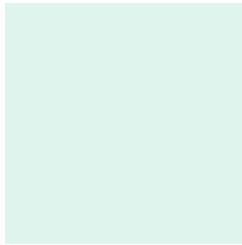


20.0350, 0.4757, 34.1723



# Previews

## White Background



This preview shows how the YUV color 236.5100, -0.2514, -12.7253 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

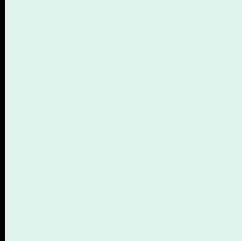
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 236.5100, -0.2514, -12.7253 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

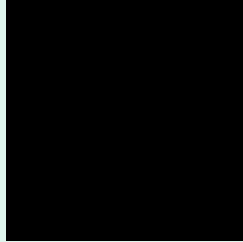
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

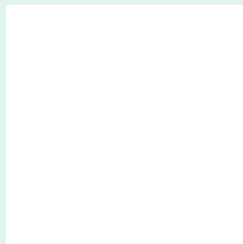
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 236.5100, -0.2514, -12.7253

## Background



This preview shows how black text looks on a background with the YUV color 236.5100, -0.2514, -12.7253.



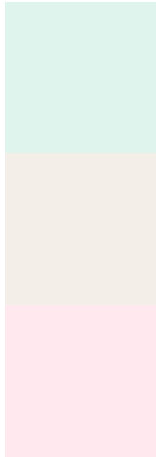
This preview shows how white text looks on a background with the YUV color 236.5100, -0.2514, -12.7253.

-12.7253.

# 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

236.5100, -0.2514, -12.7253

### Protanopia

239.1100, -3.5052, 4.2885

### Deuteranopia

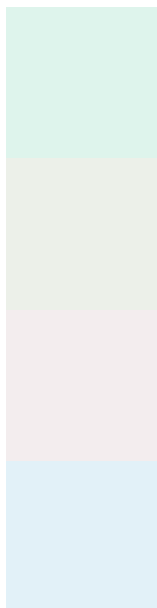
240.2620, -0.6222, 12.9252



## Tritanopia

238.4210, 8.1734, -8.2622

# Trichromacy



## Original Color

236.5100, -0.2514, -12.7253

## Protanomaly

238.0060, -2.4680, -1.7593

## Deuteranomaly

238.9080, -0.4476, 3.5887

## Tritanomaly

237.3130, 5.2687, -9.9215

# Monochromacy



## Original Color

236.5100, -0.2514, -12.7253

## Achromatopsia

237.0000, 0.0000, 0.0000

## Achromatomaly

237.2660, -0.1311, -4.6183

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 236.5100, -0.2514, -12.7253 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(222, 244, 236)` looks like.

```
.text, #text, p{  
    color:rgb(222, 244, 236)  
}
```

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(222, 244, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 244, 236) }
```

## Border

The CSS property to change the border of an element to YUV 236.5100, -0.2514, -12.7253 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(222, 244, 236) }
```



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

```
.border{ border-color:rgb(222, 244, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 244, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 244, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 244, 236);  
box-shadow:4px 4px 4px 4px rgb(222, 244,  
236) }
```

# Background

The CSS property to change the background color of an element to YUV 236.5100, -0.2514, -12.7253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 244, 236) }
```

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

```
.background{ background-color: rgb(222,  
244, 236) }
```

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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