

# Converting Colors

YUV(102.8590, -12.2555,  
104.4867)

Have a look what the booklet for  
YUV(102.8590, -12.2555, 104.4867)  
contains.

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# Color

**YUV(102.8590, -12.2555,  
104.4867)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE2F4E
RGB	222, 47, 78
RGB Percent	87%, 18%, 31%
CMY	0.1294, 0.8157, 0.6941
CMYK	0.00, 0.79, 0.65, 0.13
HSL	349°, 73%, 53%
HSV	349°, 79%, 87%
XYZ	32.5159, 18.1127, 8.9900
YIQ	102.8590, 94.3490, 46.7410

# Conversions

## Conversions Part 2

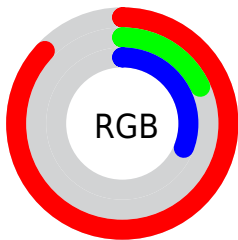
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 47, 78
Decimal	14561102
CIE <sub>Lab</sub>	49.63, 66.80, 26.07
CIE <sub>LCh</sub>	50, 71.703, 21.321
Yxy	18.1127, 0.5454, 0.3038
Android (android.graphics.Color)	4292751182 (0xFFDE2F4E)
YUV	102.8590, -12.2555, 104.4867
Hunter-Lab	42.5590, 61.8991, 17.2670

# Details

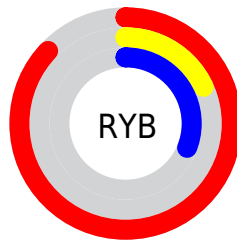
The YUV color **102.8590, -12.2555, 104.4867** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **166.1410, 12.2555, -104.4867**, and the grayscale version is **103.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **155.2930, -13.9484, 87.4430**, and **51.4170, -8.5866, 94.3503** is the 20% darker color. If you saturate the color by 10%, you get **87.8930, -13.7512, 117.6118**, and if you desaturate by 10%, it is **117.8250, -10.7597, 91.3615**.

# Distribution



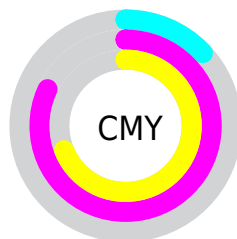
- Red (87%)
- Green (18%)
- Blue (31%)



- Red (87%)
- Yellow (18%)
- Blue (31%)



- Cyan (0%)
- Magenta (79%)
- Yellow (65%)
- Black (13%)




- Cyan (13%)
- Magenta (82%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 102.8590, -12.2555, 104.4867 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 102.8590, -12.2555, 104.4867 by changing the saturation by 10% instead.





 102.8590,  
-12.2555, 104.4867


 102.8590,  
-12.2555, 104.4867


255.0000, 0.0000,  
0.0000


 63.0800, -3.9834,  
111.3088


 155.2930,  
-13.9484, 87.4430


 51.4170, -8.5866,  
94.3503


 175.2800,  
-10.9840, 69.9144


 39.8680, -12.7529,  
77.2918


 195.2670, -8.0196,  
52.3858

 29.1170, -13.8617,  
59.5334

 215.4820, -4.1816,  
34.6573

 20.9730, -8.8607,  
42.1197

 235.6970, -0.3436,  
16.9287

 10.8780, -4.8699,  
22.0320

 0.0000, 0.0000,

0.0000

■ 102.8590,  
-12.2555, 104.4867

■ 102.8590,  
-12.2555, 104.4867

■ 87.8930, -13.7512,  
117.6118

■ 117.8250,  
-10.7597, 91.3615

■ 72.8130, -15.6838,  
130.8370

■ 132.9050, -8.8272,  
78.1363

■ 70.8240, -15.6892,  
132.5814

■ 148.4580, -7.6208,  
64.4963

■ 163.4240, -6.1250,  
51.3712

■ 178.3900, -4.6293,  
38.2460

■ 193.4700, -2.6967,  
25.0208

■ 208.4360, -1.2009,  
11.8956

■ 223.9890, 0.0054,  
-1.7444

■ 238.9550, 1.5012,  
-14.8695

# Harmonies

## Analogous

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



105.5570, 15.9944, 96.8585



102.8590, -12.2555, 104.4867



109.0570, -46.3701, 79.7570

# Triad

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



102.8590, -12.2555, 104.4867



84.5400, -26.3952, -74.1416



104.2570, 66.9213, -91.4334

# Complementary

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



102.8590, -12.2555, 104.4867



166.1410, 12.2555, -104.4867

# 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.



107.0490, 52.2338, -93.8820



102.8590, -12.2555, 104.4867



95.1130, 1.4233, -83.4141

# Square

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



102.8590, -12.2555, 104.4867



105.6340, -52.0776, -3.1870



102.8820, 28.6522, -90.2275



110.5670, 60.3595, -39.9623



# Rectangle

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



102.8590, -12.2555, 104.4867



111.0140, -54.7299, 54.3617



102.8820, 28.6522, -90.2275



105.9210, 63.1429, -92.8927

# Sweetspot

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



102.8590, -12.2555, 104.4867



213.4930, -4.1870, 36.4016



109.7070, 55.3604, 70.4170



102.7470, -2.8333, 22.1469



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.



102.8590, -12.2555, 104.4867



90.2600, -16.8902, 144.4770



131.6100, -41.7127, 79.2720



104.5170, -0.7479, 6.5626



56.1580, -12.4029, 105.1014



15.3780, -3.1444, 28.6095



# Inverse Universe

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



102.8590, -12.2555, 104.4867



90.2600, -16.8902, 144.4770



137.3900, 41.7127, -79.2720



104.5170, -0.7479, 6.5626



56.1580, -12.4029, 105.1014



15.3780, -3.1444, 28.6095



# Previews

## White Background



This preview shows how the YUV color 102.8590, -12.2555, 104.4867 looks on a white 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 × Fail



# Black Background



This preview shows how the YUV color 102.8590, -12.2555, 104.4867 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 × Fail

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

# YUV 102.8590, -12.2555, 104.4867 Background



This preview shows how black text looks on a background with the YUV color 102.8590, -12.2555, 104.4867.



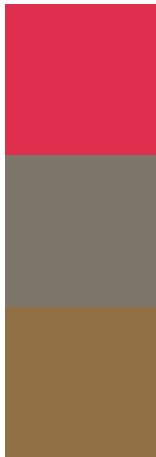
This preview shows how white text looks on a background with the YUV color 102.8590, -12.2555, 104.4867.



# 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

102.8590, -12.2555, 104.4867

### Protanopia

118.5400, -5.6892, 4.7884

### Deuteranopia

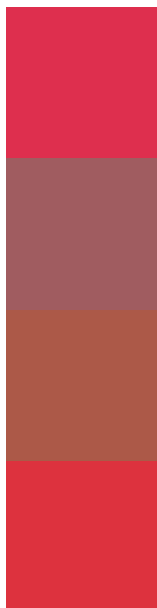
117.2530, -23.7887, 23.4571



## Tritanopia

102.6450, -24.4750, 103.7973

# Trichromacy



## Original Color

102.8590, -12.2555, 104.4867

## Protanomaly

112.7880, -8.2765, 41.4049

## Deuteranomaly

111.8790, -19.6603, 52.7261

## Tritanomaly

102.4970, -19.9650, 103.9271

# Monochromacy



## Original Color

102.8590, -12.2555, 104.4867

## Achromatopsia

103.0000, 0.0000, 0.0000

## Achromatomaly

103.0910, -4.4819, 37.6312

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 102.8590, -12.2555, 104.4867 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, 47, 78)` looks like.

```
.text, #text, p{  
    color:rgb(222, 47, 78)  
}
```

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, 47, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 47, 78) }
```

## Border

The CSS property to change the border of an element to YUV 102.8590, -12.2555, 104.4867 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, 47, 78) }
```



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

```
.border{ border-color:rgb(222, 47, 78) }
```

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

Here you see how a box with a 4 pixel rgb(222, 47, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 47, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 47, 78);  
box-shadow:4px 4px 4px 4px rgb(222, 47,  
78) }
```

# Background

The CSS property to change the background color of an element to YUV 102.8590, -12.2555, 104.4867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 47, 78) }
```

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

```
.background{ background-color: rgb(222, 47,  
78) }
```

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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