

# Converting Colors

YUV(70.2020, 7.7884, 115.5868)

Have a look what the booklet for  
YUV(70.2020, 7.7884, 115.5868)  
contains.

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# Color

**YUV(70.2020, 7.7884,  
115.5868)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA0056
RGB	202, 0, 86
RGB Percent	79%, 0%, 34%
CMY	0.2078, 1.0000, 0.6627
CMYK	0.00, 1.00, 0.57, 0.21
HSL	334°, 100%, 40%
HSV	334°, 100%, 79%
XYZ	26.0368, 13.2284, 9.9851
YIQ	70.2020, 92.7860, 69.5700

# Conversions

## Conversions Part 2

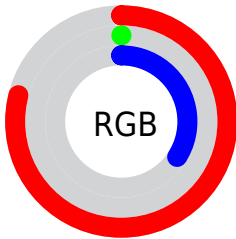
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 0, 86
Decimal	13238358
CIE Lab	43.11, 69.96, 11.72
CIE LCh	43, 70.937, 9.506
Yxy	13.2284, 0.5287, 0.2686
Android (android.graphics.Color)	4291428438 (0xFFCA0056)
YUV	70.2020, 7.7884, 115.5868
Hunter-Lab	36.3709, 64.1336, 9.1824

# Details

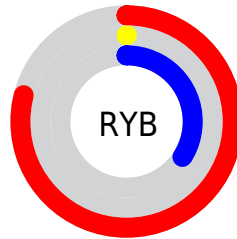
The YUV color **70.2020, 7.7884, 115.5868** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **131.7980, -7.7884, -115.5868**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **142.7040, -3.7981, 98.4836**, and **46.6480, -2.2915, 81.8697** is the 20% darker color. If you saturate the color by 10%, you get **70.2020, 7.7884, 115.5868**, and if you desaturate by 10%, it is **83.3100, 7.2422, 104.0911**.

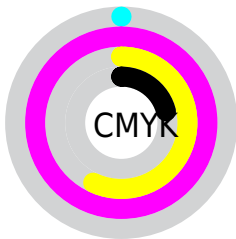
# Distribution



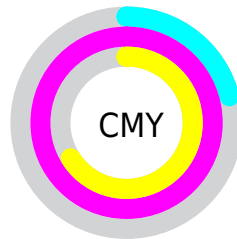
- Red (79%)
- Green (0%)
- Blue (34%)



- Red (79%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (21%)



- Cyan (21%)
- Magenta (100%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 70.2020, 7.7884, 115.5868 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 70.2020, 7.7884, 115.5868 by changing the saturation by 10% instead.



70.2020, 7.7884,  
115.5868

70.2020, 7.7884,  
115.5868

255.0000, 0.0000,  
0.0000

58.3110, 2.3117,  
98.8283

142.7040, -3.7981,  
98.4836

46.6480, -2.2915,  
81.8697

163.2780, -1.1231,  
80.4402

35.3980, -6.6052,  
65.4260

183.3790, 2.2782,  
62.8116

24.5610, -10.6296,  
49.4970

203.5940, 6.1162,  
45.0831

15.1780, -6.4968,  
30.5389

224.3960, 9.6648,  
26.8397

0.0000, 0.0000,  
0.0000

243.2600, 5.7878,

10.2960

■ 70.2020, 7.7884,  
115.5868

■ 83.3100, 7.2422,  
104.0911

■ 96.3040, 6.2591,  
92.6954

■ 109.9990, 5.4235,  
80.6849

■ 122.9930, 4.4405,  
69.2891

■ 136.1010, 3.8942,  
57.7934

■ 149.2090, 3.3480,  
46.2977

■ 162.2030, 2.3649,  
34.9020

■ 175.8980, 1.5293,  
22.8915

■ 188.8920, 0.5462,  
11.4957

# Harmonies

## Analogous

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



90.5040, 26.3735, 81.1190



70.2020, 7.7884, 115.5868



88.7650, -29.9571, 88.7831

# Triad

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



70.2020, 7.7884, 115.5868



79.7310, -39.3074, -39.2291



94.1350, 58.6004, -82.5564

# Complementary

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



70.2020, 7.7884, 115.5868



131.7980, -7.7884, -115.5868

# 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.



94.0260, 40.4132, -82.4608



70.2020, 7.7884, 115.5868



79.4000, -10.5502, -69.6338

# Square

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



70.2020, 7.7884, 115.5868



93.9270, -46.3060, 12.3420



87.6420, 15.9525, -76.8620



86.0140, 65.5621, -75.4343



# Rectangle

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



70.2020, 7.7884, 115.5868



93.3820, -46.0373, 66.3170



87.6420, 15.9525, -76.8620



94.8700, 53.8011, -83.2010

# Sweetspot

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



70.2020, 7.7884, 115.5868



205.3720, 2.7746, 43.5238



57.1140, 71.4288, 49.8890



97.9200, 1.5184, 26.3802



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.



70.2020, 7.7884, 115.5868



88.6710, 10.0222, 145.8705



68.0290, -33.5383, 117.4926



95.4460, 0.2731, 5.7479



57.7280, 6.5431, 94.9545



13.1860, 1.3873, 21.7619



# Inverse Universe

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



70.2020, 7.7884, 115.5868



88.6710, 10.0222, 145.8705



133.9710, 33.5383, -117.4926



95.4460, 0.2731, 5.7479



57.7280, 6.5431, 94.9545



13.1860, 1.3873, 21.7619



# Previews

## White Background



This preview shows how the YUV color 70.2020, 7.7884, 115.5868 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 70.2020, 7.7884, 115.5868 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 70.2020, 7.7884, 115.5868

## Background



This preview shows how black text looks on a background with the YUV color 70.2020, 7.7884, 115.5868.



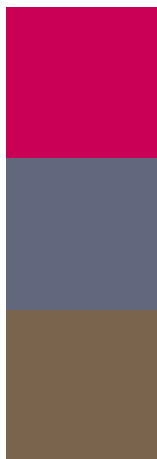
This preview shows how white text looks on a background with the YUV color 70.2020, 7.7884,



# 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

70.2020, 7.7884, 115.5868

### Protanopia

104.3120, 10.1992, -4.6586

### Deuteranopia

104.3690, -12.9999, 16.3394



## Tritanopia

83.5200, -24.9064, 102.1530

# Trichromacy



## Original Color

70.2020, 7.7884, 115.5868

## Protanomaly

92.0600, 9.3374, 38.5354

## Deuteranomaly

92.2500, -5.5462, 52.4008

## Tritanomaly

78.9410, -13.2819, 107.0457

# Monochromacy



## Original Color

70.2020, 7.7884, 115.5868

## Achromatopsia

70.0000, 0.0000, 0.0000

## Achromatomaly

70.3610, 2.7800, 41.7794

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 70.2020, 7.7884, 115.5868 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(202, 0, 86)` looks like.

```
.text, #text, p{  
    color:rgb(202, 0, 86)  
}
```

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(202, 0, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 86) }
```

## Border

The CSS property to change the border of an element to YUV 70.2020, 7.7884, 115.5868 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(202, 0, 86) }
```



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

```
.border{ border-color:rgb(202, 0, 86) }
```

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

Here you see how a box with a 4 pixel rgb(202, 0, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 86);  
box-shadow:4px 4px 4px 4px rgb(202, 0, 86)  
}
```

# Background

The CSS property to change the background color of an element to YUV 70.2020, 7.7884, 115.5868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 86) }
```

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

```
.background{ background-color: rgb(202, 0,  
86) }
```

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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