

# Converting Colors

YUV(88.5650, 20.4275, 74.9265)

Have a look what the booklet for  
YUV(88.5650, 20.4275, 74.9265)  
contains.

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# Color

**YUV(88.5650, 20.4275,  
74.9265)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE2582
RGB	174, 37, 130
RGB Percent	68%, 15%, 51%
CMY	0.3176, 0.8549, 0.4902
CMYK	0.00, 0.79, 0.25, 0.32
HSL	319°, 65%, 41%
HSV	319°, 79%, 68%
XYZ	22.1464, 11.9335, 22.2552
YIQ	88.5650, 51.7990, 57.9670

# Conversions

## Conversions Part 2

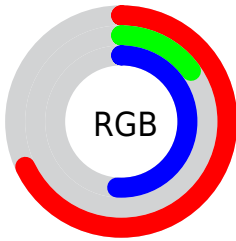
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 37, 130
Decimal	11412866
CIELab	41.11, 61.51, -19.35
CIELCh	41, 64.480, 342.541
Yxy	11.9335, 0.3931, 0.2118
Android (android.graphics.Color)	4289602946 (0xFFAE2582)
YUV	88.5650, 20.4275, 74.9265
Hunter-Lab	34.5449, 53.9809, -14.0156

# Details

The YUV color **88.5650, 20.4275, 74.9265** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **122.4350, -20.4275, -74.9265**, and the grayscale version is **88.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **147.4680, 17.5173, 75.0116**, and **44.1030, 17.6972, 63.9307** is the 20% darker color. If you saturate the color by 10%, you get **77.9020, 22.7263, 84.2779**, and if you desaturate by 10%, it is **99.2280, 18.1286, 65.5750**.

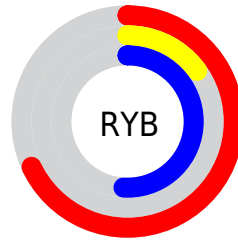
# Distribution



Red (68%)

Green (15%)

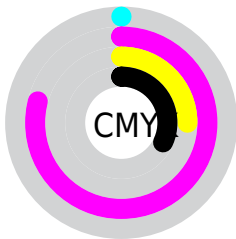
Blue (51%)



Red (68%)

Yellow (15%)

Blue (51%)

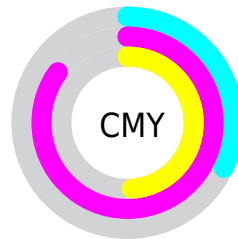


Cyan (0%)

Magenta (79%)

Yellow (25%)

Black (32%)



Cyan (32%)

Magenta (85%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 88.5650, 20.4275, 74.9265 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 88.5650, 20.4275, 74.9265 by changing the saturation by 10% instead.



88.5650, 20.4275,  
74.9265

88.5650, 20.4275,  
74.9265

255.0000, 0.0000,  
0.0000

55.3250, 24.4898,  
78.6450

147.4680, 17.5173,  
75.0116

44.1030, 17.6972,  
63.9307

174.2610, 18.1123,  
70.8081

33.1090, 11.7783,  
49.0164

193.8890, 22.2397,  
53.5943

23.2400, 6.2907,  
35.7465

212.1490, 21.1255,  
37.5803

11.7190, -0.3545,  
20.4174

229.1720, 12.7332,  
22.6512

0.0000, 0.0000,  
0.0000

246.7820, 4.0515,

■ 88.5650, 20.4275,  
74.9265

■ 88.5650, 20.4275,  
74.9265

■ 77.9020, 22.7263,  
84.2779

■ 99.2280, 18.1286,  
65.5750

■ 66.7660, 25.7514,  
94.0442

■ 110.3640, 15.1035,  
55.8088

■ 65.4780, 25.8933,  
95.1738

■ 121.0270, 12.8047,  
46.4573

■ 132.1630, 9.7796,  
36.6910

■ 142.8260, 7.4808,  
27.3396

■ 153.4890, 5.1819,  
17.9881

■ 164.6250, 2.1569,  
8.2219

■ 175.2880, -0.1420,  
-1.1296

■ 186.4240, -3.1670,  
-10.8958

# Harmonies

## Analogous

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



99.1160, 37.9038, 22.7003



88.5650, 20.4275, 74.9265



79.6650, -1.3138, 95.0098

# Triad

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



88.5650, 20.4275, 74.9265



89.1760, -43.9638, 7.7386



88.4180, 39.2339, -77.5426

# Complementary

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



88.5650, 20.4275, 74.9265



122.4350, -20.4275, -74.9265

# 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.



84.0060, 17.2520, -73.6733



88.5650, 20.4275, 74.9265



74.4150, -36.6866, -39.8290

# Square

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



88.5650, 20.4275, 74.9265



91.4780, -45.0987, 45.1848



76.4480, -6.6299, -67.0449



88.4300, 54.5110, -77.5531



# Rectangle

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



88.5650, 20.4275, 74.9265



85.1480, -20.7790, 84.9392



76.4480, -6.6299, -67.0449



87.2950, 32.3926, -76.5577

# Sweetspot

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



88.5650, 20.4275, 74.9265



192.6630, 8.0541, 30.1135



65.4750, 53.5028, 12.7384



93.7880, 5.0345, 18.6029



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000



# Same Dimension

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



88.5650, 20.4275, 74.9265



94.1030, 31.5012, 116.5507



80.8130, -9.2748, 81.7250



81.3750, 1.2941, 4.9331



56.4780, 22.4423, 82.0188



8.7010, 3.5984, 12.5402



# Inverse Universe

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



88.5650, 20.4275, 74.9265



94.1030, 31.5012, 116.5507



130.1870, 9.2748, -81.7250



81.3750, 1.2941, 4.9331



56.4780, 22.4423, 82.0188



8.7010, 3.5984, 12.5402



# Previews

## White Background



This preview shows how the YUV color 88.5650, 20.4275, 74.9265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

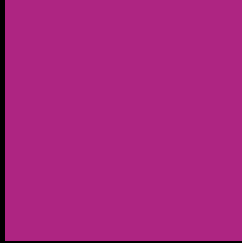
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 88.5650, 20.4275, 74.9265 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

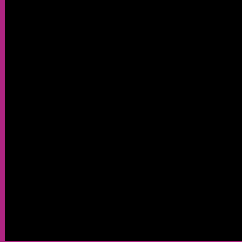
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 88.5650, 20.4275, 74.9265

## Background



This preview shows how black text looks on a background with the YUV color 88.5650, 20.4275, 74.9265.



This preview shows how white text looks on a background with the YUV color 88.5650, 20.4275,



# 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

88.5650, 20.4275, 74.9265

### Protanopia

94.4270, 39.2295, -29.3155

### Deuteranopia

98.6650, 11.5042, -3.2142



## Tritanopia

92.9330, -14.7570, 66.7108

# Trichromacy



## Original Color

88.5650, 20.4275, 74.9265

## Protanomaly

92.5350, 32.2742, 8.3008

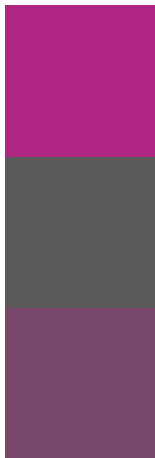
## Deuteranomaly

95.3510, 14.6170, 25.1252

## Tritanomaly

91.5710, -2.2535, 69.6592

# Monochromacy



## Original Color

88.5650, 20.4275, 74.9265

## Achromatopsia

89.0000, 0.0000, 0.0000

## Achromatomaly

88.8260, 7.4808, 27.3396

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 88.5650, 20.4275, 74.9265 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(174, 37, 130)` looks like.

```
.text, #text, p{  
    color:rgb(174, 37, 130)  
}
```

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(174, 37, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 37, 130) }
```

## Border

The CSS property to change the border of an element to YUV 88.5650, 20.4275, 74.9265 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(174, 37, 130) }
```



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

```
.border{ border-color:rgb(174, 37, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 37, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 37, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 37, 130);  
box-shadow:4px 4px 4px 4px rgb(174, 37,  
130) }
```

# Background

The CSS property to change the background color of an element to YUV 88.5650, 20.4275, 74.9265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 37, 130) }
```

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

```
.background{ background-color: rgb(174, 37,  
130) }
```

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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