

# Converting Colors

YUV(20.0870, 21.6491, 9.5707)

Have a look what the booklet for  
YUV(20.0870, 21.6491, 9.5707)  
contains.

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# Color

**YUV(20.0870, 21.6491,  
9.5707)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1F0640
RGB	31, 6, 64
RGB Percent	12%, 2%, 25%
CMY	0.8784, 0.9765, 0.7490
CMYK	0.52, 0.91, 0.00, 0.75
HSL	266°, 83%, 14%
HSV	266°, 91%, 25%
XYZ	1.5556, 0.7917, 4.9213
YIQ	20.0870, -3.7180, 23.3380

# Conversions

## Conversions Part 2

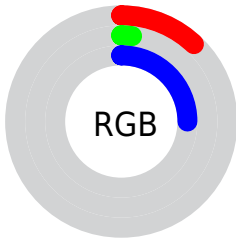
<b>Format</b>	<b>Color</b>
<b>RYB</b>	31, 6, 64
Decimal	2033216
CIELab	7.15, 27.16, -31.33
CIELCh	7, 41.458, 310.922
Yxy	0.7917, 0.2140, 0.1089
Android (android.graphics.Color)	4280223296 (0xFF1F0640)
YUV	20.0870, 21.6491, 9.5707
Hunter-Lab	8.8979, 15.6358, -26.5641

# Details

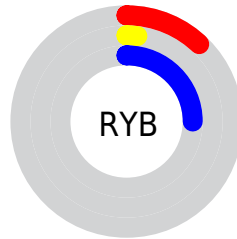
The YUV color **20.0870, 21.6491, 9.5707** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **49.9130, -21.6491, -9.5707**, and the grayscale version is **20.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **66.1520, 23.0961, 12.1447**, and **2.8670, 8.4466, -2.5144** is the 20% darker color. If you saturate the color by 10%, you get **15.6680, 23.8277, 10.8152**, and if you desaturate by 10%, it is **24.8050, 19.3231, 8.9410**.

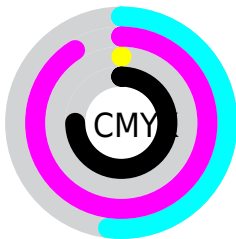
# Distribution



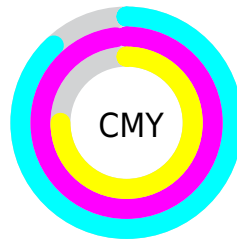
- Red (12%)
- Green (2%)
- Blue (25%)



- Red (12%)
- Yellow (2%)
- Blue (25%)



- Cyan (52%)
- Magenta (91%)
- Yellow (0%)
- Black (75%)



- Cyan (88%)
- Magenta (98%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 20.0870, 21.6491, 9.5707 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 20.0870, 21.6491, 9.5707 by changing the saturation by 10% instead.



■ 20.0870, 21.6491,  
9.5707

■ 20.0870, 21.6491,  
9.5707

■ 240.9120, 6.9454,  
12.3552

■ 5.9840, 17.7559,  
-1.7400

■ 66.1520, 23.0961,  
12.1447

■ 2.8670, 8.4466,  
-2.5144

■ 89.9780, 23.6748,  
13.1743

■ 0.0000, 0.0000,  
0.0000


■ 114.9180, 24.6904,  
14.1039


■ 141.0320, 25.1272,  
14.0039


■ 167.8580, 25.7060,  
15.0335


■ 194.7980, 26.7216,


15.9632


 220.5890, 16.9646,  
18.7774


 20.0870, 21.6491,  
9.5707


 20.0870, 21.6491,  
9.5707

 15.6680, 23.8277,  
10.8152

 24.8050, 19.3231,  
8.9410

 29.8110, 16.8552,  
7.1818

 34.5290, 14.5292,  
6.5521

 39.8340, 11.9138,  
5.4076

 44.2530, 9.7353,  
4.1631

■ 48.9710, 7.4093,  
3.5334

■ 53.9770, 4.9413,  
1.7742

■ 58.6950, 2.6154,  
1.1445

■ 64.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



22.2790, 26.9775, -19.5387



20.0870, 21.6491, 9.5707



22.2010, 8.7749, 32.2727

# Triad

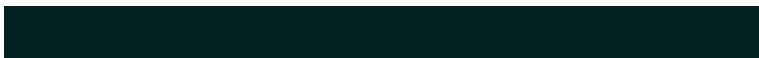
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.0870, 21.6491, 9.5707



20.4880, -10.1006, 19.7430



22.9050, 3.9908, -20.0877

# Complementary

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



20.0870, 21.6491, 9.5707



49.9130, -21.6491, -9.5707

# 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.



19.3710, -9.5499, -16.9884



20.0870, 21.6491, 9.5707



19.4700, -9.5987, -1.2892

# Square

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



20.0870, 21.6491, 9.5707



17.6410, -8.6970, 36.2718



18.1970, -8.9711, -15.9588



27.1570, 15.2056, -23.8167



# Rectangle

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



20.0870, 21.6491, 9.5707



21.9430, 0.0281, 37.7610



18.1970, -8.9711, -15.9588



21.8790, 0.0597, -19.1879

# Sweetspot

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



20.0870, 21.6491, 9.5707



66.6120, 8.5723, 3.8483



32.5700, 15.4950, -23.3019



32.3900, 5.2307, 2.2890



171.0000, 0.0000, 0.0000



43.0000, 0.0000, 0.0000



# Same Dimension

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



20.0870, 21.6491, 9.5707



20.3400, 31.3844, 13.7338



28.4590, 17.5217, 26.7845



30.6410, 1.1630, 0.3148



23.6160, 36.1783, 16.1228



54.5390, 83.5443, 37.2383



# Inverse Universe

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



27.1040, 5.8647, 32.3578



30.5880, 8.5841, 46.8423



41.5410, -17.5217, -26.7845



31.1250, 0.4314, 1.6444



35.2730, 9.7254, 54.1346

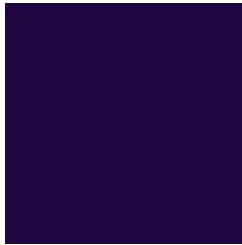


81.5680, 22.8910, 124.9129



# Previews

## White Background



This preview shows how the YUV color 20.0870, 21.6491, 9.5707 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

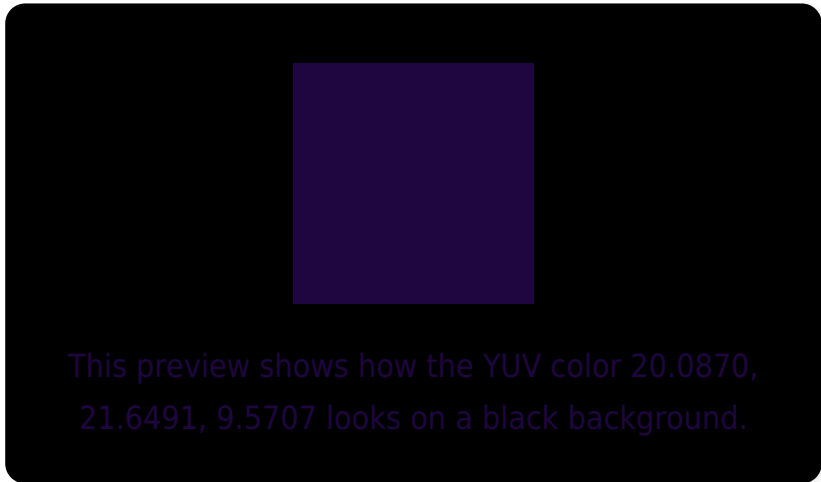
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

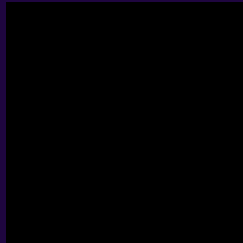
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 20.0870, 21.6491, 9.5707

## Background



This preview shows how black text looks on a background with the YUV color 20.0870, 21.6491, 9.5707.



This preview shows how white text looks on a background with the YUV color 20.0870, 21.6491,



# 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

20.0870, 21.6491, 9.5707

### Protanopia

19.7880, 14.8945, -17.3541

### Deuteranopia

19.5770, 11.5475, -17.1690



**Tritanopia**

23.7330, 1.6106, -3.2738

# Trichromacy



## Original Color

20.0870, 21.6491, 9.5707

## Protanomaly

19.5380, 17.4828, -7.4878

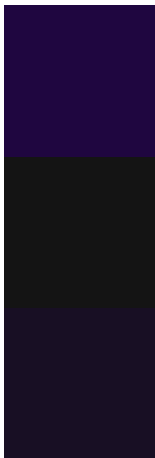
## Deuteranomaly

19.6690, 15.4462, -7.6027

## Tritanomaly

22.3020, 8.7251, 1.4891

# Monochromacy



## Original Color

20.0870, 21.6491, 9.5707

## Achromatopsia

20.0000, 0.0000, 0.0000

## Achromatomaly

20.0850, 7.8461, 3.4335

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 20.0870, 21.6491, 9.5707 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(31, 6, 64)` looks like.

```
.text, #text, p{  
    color:rgb(31, 6, 64)  
}
```

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(31, 6, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 6, 64) }
```

## Border

The CSS property to change the border of an element to YUV 20.0870, 21.6491, 9.5707 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(31, 6, 64) }
```



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

```
.border{ border-color:rgb(31, 6, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 6, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 6, 64); -webkit-box-shadow:4px  
4px 4px 4px rgb(31, 6, 64); box-shadow:4px  
4px 4px 4px rgb(31, 6, 64) }
```

# Background

The CSS property to change the background color of an element to YUV 20.0870, 21.6491, 9.5707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 6, 64) }
```

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

```
.background{ background-color: rgb(31, 6,  
64) }
```

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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