

# Converting Colors

YUV(28.7930, 20.8081, -0.6955)

Have a look what the booklet for  
YUV(28.7930, 20.8081, -0.6955)  
contains.

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# Color

**YUV(28.7930, 20.8081,  
-0.6955)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1C1547
RGB	28, 21, 71
RGB Percent	11%, 8%, 28%
CMY	0.8902, 0.9176, 0.7216
CMYK	0.61, 0.70, 0.00, 0.72
HSL	248°, 54%, 18%
HSV	248°, 70%, 28%
XYZ	1.8844, 1.2381, 6.1009
YIQ	28.7930, -11.8780, 17.0340

# Conversions

## Conversions Part 2

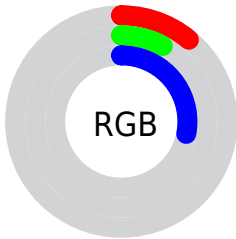
Format	Color
<a href="#">RYB</a>	<a href="#">28, 21, 71</a>
Decimal	<a href="#">1840455</a>
CIELab	<a href="#">10.84, 19.65, -30.26</a>
CIElCh	<a href="#">11, 36.085, 303.002</a>
Yxy	<a href="#">1.2381, 0.2043, 0.1342</a>
Android (android.graphics.Color)	<a href="#">4280030535</a> (0xFF1C1547)
YUV	<a href="#">28.7930, 20.8081, -0.6955</a>
Hunter-Lab	<a href="#">11.1272, 10.7564, -24.7190</a>

# Details

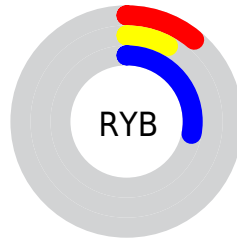
The YUV color **28.7930, 20.8081, -0.6955** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **63.2070, -20.8081, 0.6955**, and the grayscale version is **29.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **74.2710, 22.5444, 2.3933**, and **3.6650, 11.5042, -3.2142** is the 20% darker color. If you saturate the color by 10%, you get **22.8900, 23.7182, -0.7805**, and if you desaturate by 10%, it is **34.6960, 17.8979, -0.6104**.

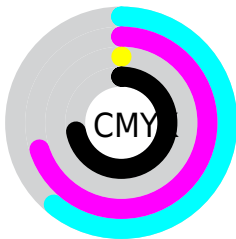
# Distribution



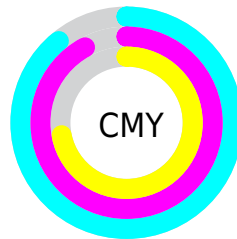
- Red (11%)
- Green (8%)
- Blue (28%)



- Red (11%)
- Yellow (8%)
- Blue (28%)



- Cyan (61%)
- Magenta (70%)
- Yellow (0%)
- Black (72%)



- Cyan (89%)
- Magenta (92%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 28.7930, 20.8081, -0.6955 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 28.7930, 20.8081, -0.6955 by changing the saturation by 10% instead.



■ 28.7930, 20.8081,  
-0.6955

■ 28.7930, 20.8081,  
-0.6955

■ 250.3040, 2.3151,  
4.1184

■ 8.1630, 19.6396,  
0.7340

■ 74.2710, 22.5444,  
2.3933

■ 3.6650, 11.5042,  
-3.2142

■ 98.2110, 23.5600,  
3.3230

■ 0.0000, 0.0000,  
0.0000

■ 123.7380, 24.2862,  
3.7378

■ 149.2650, 25.0124,  
4.1526

■ 176.6780, 25.3017,  
4.6674

■ 203.9770, 25.1543,

5.2822

■ 228.7850, 12.9240,  
8.0816

■ 28.7930, 20.8081,  
-0.6955

■ 28.7930, 20.8081,  
-0.6955

■ 22.8900, 23.7182,  
-0.7805

■ 34.6960, 17.8979,  
-0.6104

■ 16.9870, 26.6284,  
-0.8656

■ 40.5990, 14.9877,  
-0.5253

■ 11.0840, 29.5386,  
-0.9507

■ 46.5020, 12.0775,  
-0.4403

■ 52.4050, 9.1673,  
-0.3552

■ 59.1940, 5.8204,  
-0.1701

■ 65.0970, 2.9102,  
-0.0851

■ 71.0000, 0.0000,  
0.0000

■ 76.9030, -2.9102,  
0.0851

■ 82.8060, -5.8204,  
0.1701

# Harmonies

## Analogous

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



27.7900, 25.2465, -24.3718



28.7930, 20.8081, -0.6955



25.3300, 13.1483, 29.5286

# Triad

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



28.7930, 20.8081, -0.6955



27.0110, -13.3164, 24.5464



27.0140, 1.9651, -23.6913

# Complementary

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



28.7930, 20.8081, -0.6955



63.2070, -20.8081, 0.6955

# 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.



22.8930, -11.2862, -20.0772



28.7930, 20.8081, -0.6955



27.7870, -13.6990, 7.2028

# Square

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



28.7930, 20.8081, -0.6955



20.9190, -10.3131, 41.2900



22.9370, -11.3079, -13.0997



29.8640, 12.8850, -26.1907



# Rectangle

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



28.7930, 20.8081, -0.6955



24.4360, 5.7011, 38.2056



22.9370, -11.3079, -13.0997



25.9880, -1.9661, -22.7915

# Sweetspot

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



28.7930, 20.8081, -0.6955



75.7640, 8.0043, -0.6700



51.9410, 9.3961, -27.1353



35.9660, 4.9468, 0.0298



173.0000, 0.0000, 0.0000



46.0000, 0.0000, 0.0000



# Same Dimension

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



28.7930, 20.8081, -0.6955



26.1810, 32.4488, -1.0357



36.2680, 17.1229, 14.6740



32.7550, 1.5998, 0.2149



15.4720, 41.1793, -1.2909



35.4460, 94.4361, -3.0221



# Inverse Universe

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



40.8520, 11.4120, 26.4398



44.9600, 17.7677, 41.2541



55.7320, -17.1229, -14.6740



33.5380, 0.7208, 2.1592



39.4050, 22.9713, 52.2648



90.1030, 51.7142, 120.0587



# Previews

## White Background



This preview shows how the YUV color 28.7930, 20.8081, -0.6955 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

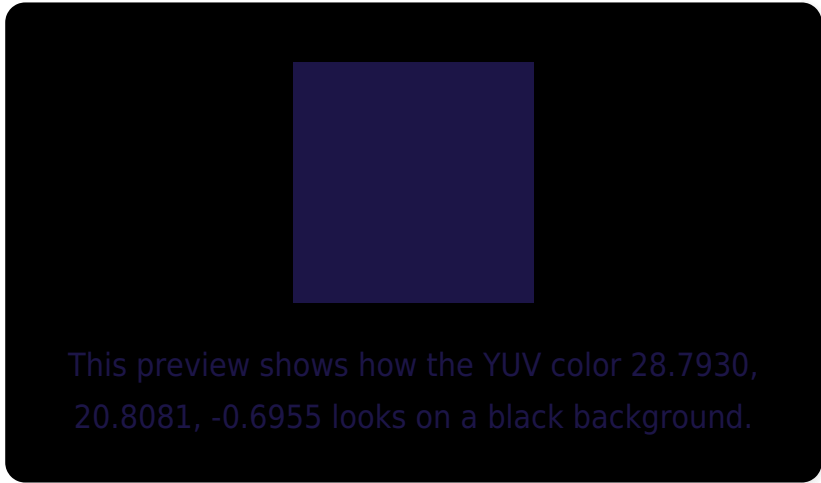
Any Text WCAG AA ✓ Pass

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

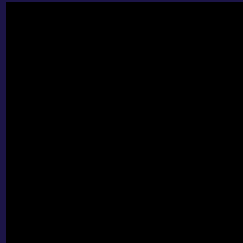
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 28.7930, 20.8081, -0.6955**

## **Background**



This preview shows how black text looks on a background with the YUV color 28.7930, 20.8081, -0.6955.



This preview shows how white text looks on a background with the YUV color 28.7930, 20.8081, -0.6955.

-0.6955.

# 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

28.7930, 20.8081, -0.6955

### Protanopia

23.9770, 18.2523, -21.0278

### Deuteranopia

24.1250, 13.7424, -21.1576



## Tritanopia

26.4650, 4.7008, -14.4398

# Trichromacy



## Original Color

28.7930, 20.8081, -0.6955

## Protanomaly

25.6620, 19.3936, -13.7356

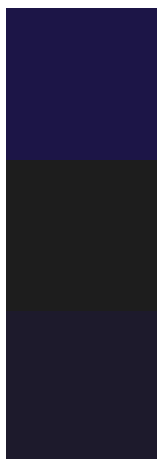
## Deuteranomaly

25.5650, 16.4835, -13.6505

## Tritanomaly

27.6920, 10.5048, -9.3769

# Monochromacy



## Original Color

28.7930, 20.8081, -0.6955

## Achromatopsia

29.0000, 0.0000, 0.0000

## Achromatomaly

28.9490, 7.4201, 0.0447

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 28.7930, 20.8081, -0.6955 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(28, 21, 71)` looks like.

```
.text, #text, p{  
    color:rgb(28, 21, 71)  
}
```

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(28, 21, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 21, 71) }
```

## Border

The CSS property to change the border of an element to YUV 28.7930, 20.8081, -0.6955 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(28, 21, 71) }
```



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

```
.border{ border-color:rgb(28, 21, 71) }
```

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

Here you see how a box with a 4 pixel rgb(28, 21, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 21, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 21, 71);  
box-shadow:4px 4px 4px 4px rgb(28, 21, 71)  
}
```

# Background

The CSS property to change the background color of an element to YUV 28.7930, 20.8081, -0.6955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 21, 71) }
```

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

```
.background{ background-color: rgb(28, 21,  
71) }
```

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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