

# Converting Colors

YUV(20.3370, 56.0359, -6.4345)

Have a look what the booklet for  
YUV(20.3370, 56.0359, -6.4345)  
contains.

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# Color

**YUV(20.3370, 56.0359,  
-6.4345)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0D0286
RGB	13, 2, 134
RGB Percent	5%, 1%, 53%
CMY	0.9490, 0.9922, 0.4745
CMYK	0.90, 0.99, 0.00, 0.47
HSL	245°, 97%, 27%
HSV	245°, 99%, 53%
XYZ	4.4908, 1.8502, 22.6747
YIQ	20.3370, -35.8160, 43.3840

# Conversions

## Conversions Part 2

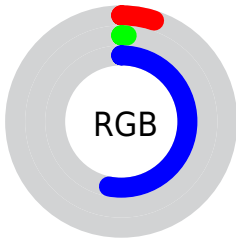
<b>Format</b>	<b>Color</b>
<b>RYB</b>	13, 2, 134
Decimal	852614
CIELab	14.68, 48.51, -65.65
CIELCh	15, 81.630, 306.464
Yxy	1.8502, 0.1548, 0.0638
Android (android.graphics.Color)	4279042694 (0xFF0D0286)
YUV	20.3370, 56.0359, -6.4345
Hunter-Lab	13.6023, 35.1276, -89.3137

# Details

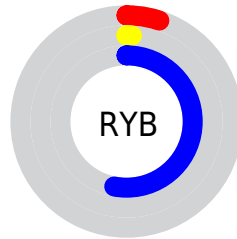
The YUV color **20.3370, 56.0359, -6.4345** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **115.6630, -56.0359, 6.4345**, and the grayscale version is **20.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **79.5560, 53.9559, 7.4054**, and **9.4620, 36.2542, -8.2982** is the 20% darker color. If you saturate the color by 10%, you get **18.5650, 56.9095, -6.6345**, and if you desaturate by 10%, it is **31.5560, 50.5049, -5.7496**.

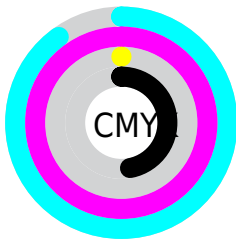
# Distribution



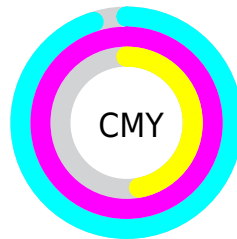
- Red (5%)
- Green (1%)
- Blue (53%)



- Red (5%)
- Yellow (1%)
- Blue (53%)



- Cyan (90%)
- Magenta (99%)
- Yellow (0%)
- Black (47%)



- Cyan (95%)
- Magenta (99%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 20.3370, 56.0359, -6.4345 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 20.3370, 56.0359, -6.4345 by changing the saturation by 10% instead.



■ 20.3370, 56.0359,  
-6.4345

■ 20.3370, 56.0359,  
-6.4345

■ 246.1950, 4.3409,  
7.7220

■ 12.3120, 47.1742,  
-10.7976

■ 79.5560, 53.9559,  
7.4054

■ 9.4620, 36.2542,  
-8.2982

■ 105.5070, 54.9660,  
10.0794

■ 10.1340, 23.5979,  
-8.8875

■ 133.0450, 55.6868,  
12.2385

■ 5.2780, 15.1459,  
-4.6288

■ 157.4170, 48.1084,  
16.2973

■ 1.3680, 5.2416,  
-1.1997

■ 181.9370, 36.0201,  
20.2263

■ 0.0000, 0.0000,  
0.0000

■ 206.7560, 23.7843,

24.7700

■ 229.7590, 12.4438,  
22.1364

■ 20.3370, 56.0359,  
-6.4345

■ 20.3370, 56.0359,  
-6.4345

■ 18.5650, 56.9095,  
-6.6345

■ 31.5560, 50.5049,  
-5.7496

■ 43.6610, 44.5371,  
-4.9647

■ 54.8800, 39.0062,  
-4.2798

■ 66.6860, 33.1858,  
-4.1096

■ 77.9050, 27.6548,  
-3.4247

■ 89.4230, 21.9765,  
-2.1250

■ 101.2290, 16.1561,  
-1.9548

■ 112.4480, 10.6251,  
-1.2699

■ 124.5530, 4.6574,  
-0.4850

# Harmonies

## Analogous

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



45.0140, 55.7021, -39.4773



20.3370, 56.0359, -6.4345



41.6830, 21.3553, 57.2830

# Triad

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



20.3370, 56.0359, -6.4345



27.7410, -13.6763, 46.7081



36.6970, 6.0654, -32.1833

# Complementary

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



20.3370, 56.0359, -6.4345



115.6630, -56.0359, 6.4345

# 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.



30.5240, -15.0483, -26.7695



20.3370, 56.0359, -6.4345



34.2440, -16.8823, 1.5400

# Square

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



20.3370, 56.0359, -6.4345



33.4880, -16.5096, 68.8550



28.7630, -14.1802, -25.2252



45.6570, 30.2421, -40.0412



# Rectangle

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



20.3370, 56.0359, -6.4345



42.1350, 2.3984, 70.9186



28.7630, -14.1802, -25.2252



34.4170, -2.6706, -30.1837

# Sweetspot

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



20.3370, 56.0359, -6.4345



128.4230, 21.9765, -2.1250



88.0750, 22.6410, -75.4878



59.5450, 13.5353, -1.3550



214.0000, 0.0000, 0.0000



87.0000, 0.0000, 0.0000



# Same Dimension

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



20.3370, 56.0359, -6.4345



23.9080, 73.5024, -8.6893



40.0710, 46.3070, 34.1407



60.6840, 2.6208, -0.5999



18.1090, 55.1623, -6.2346



0.3420, 1.3104, -0.2999



# Inverse Universe

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



55.2620, 33.3948, 69.0532



69.8530, 43.9495, 90.4599



95.9290, -46.3070, -34.1407



62.4780, 1.7363, 3.0888



52.4360, 32.8161, 68.0236

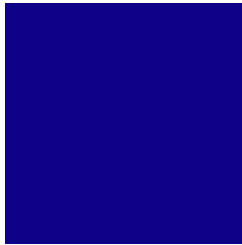


1.1250, 0.4314, 1.6444



# Previews

## White Background



This preview shows how the YUV color 20.3370, 56.0359, -6.4345 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

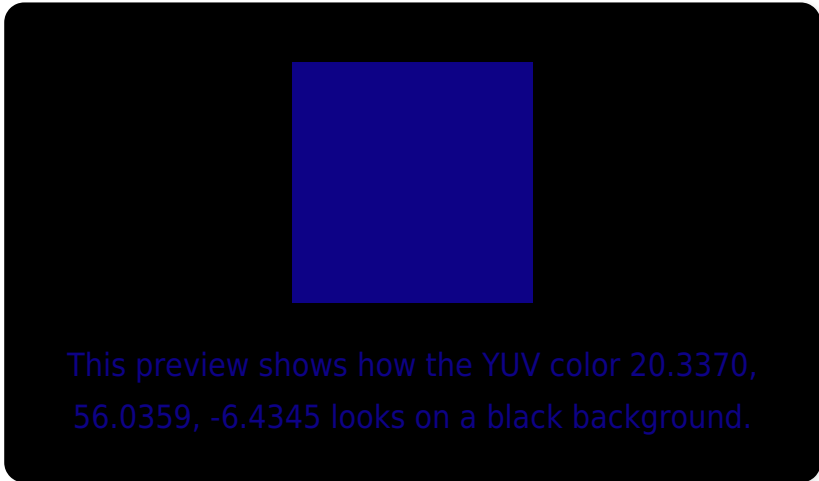
Any Text WCAG AA ✓ Pass

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

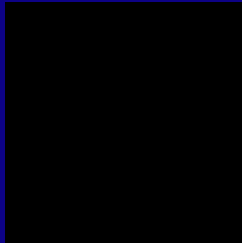
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 20.3370, 56.0359, -6.4345**

## **Background**



This preview shows how black text looks on a background with the YUV color 20.3370, 56.0359, -6.4345.



This preview shows how white text looks on a background with the YUV color 20.3370, 56.0359,



# 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

20.3370, 56.0359, -6.4345

### Protanopia

32.3550, 24.9680, -28.3753

### Deuteranopia

32.6340, 18.4214, -28.6200



## Tritanopia

31.7730, 7.5069, -27.8649

# Trichromacy



## Original Color

20.3370, 56.0359, -6.4345

## Protanomaly

28.3850, 36.2922, -20.5086

## Deuteranomaly

27.9460, 32.0716, -20.1236

## Tritanomaly

27.5240, 25.3777, -19.7535

# Monochromacy



## Original Color

20.3370, 56.0359, -6.4345

## Achromatopsia

20.0000, 0.0000, 0.0000

## Achromatomaly

19.6680, 20.3767, -2.3398

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 20.3370, 56.0359, -6.4345 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(13, 2, 134)` looks like.

```
.text, #text, p{  
    color:rgb(13, 2, 134)  
}
```

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(13, 2, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 2, 134) }
```

## Border

The CSS property to change the border of an element to YUV 20.3370, 56.0359, -6.4345 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(13, 2, 134) }
```



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

```
.border{ border-color:rgb(13, 2, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 2, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 2, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 2, 134);  
box-shadow:4px 4px 4px 4px rgb(13, 2, 134)  
}
```

# Background

The CSS property to change the background color of an element to YUV 20.3370, 56.0359, -6.4345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 2, 134) }
```

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

```
.background{ background-color: rgb(13, 2,  
134) }
```

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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