

# Converting Colors

YUV(71.2550, 50.1603,  
-35.3036)

Have a look what the booklet for  
YUV(71.2550, 50.1603, -35.3036)  
contains.

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# Color

**YUV(71.2550, 50.1603,  
-35.3036)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1F48AD
RGB	31, 72, 173
RGB Percent	12%, 28%, 68%
CMY	0.8784, 0.7176, 0.3216
CMYK	0.82, 0.58, 0.00, 0.32
HSL	223°, 70%, 40%
HSV	223°, 82%, 68%
XYZ	10.4253, 7.9432, 40.5189
YIQ	71.2550, -56.8570, 22.7190

# Conversions

## Conversions Part 2

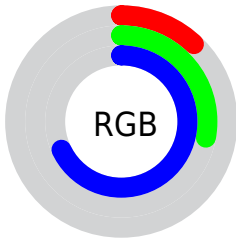
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 63, 173
Decimal	2050221
CIE <sub>Lab</sub>	33.86, 24.41, -57.88
CIE <sub>LCh</sub>	34, 62.820, 292.866
Yxy	7.9432, 0.1770, 0.1349
Android (android.graphics.Color)	4280240301 (0xFF1F48AD)
YUV	71.2550, 50.1603, -35.3036
Hunter-Lab	28.1836, 16.7067, -65.5112

# Details

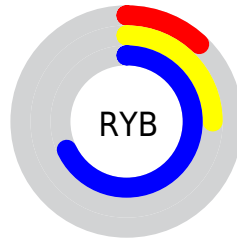
The YUV color **71.2550, 50.1603, -35.3036** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **132.7450, -50.1603, 35.3036**, and the grayscale version is **71.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **126.7450, 50.4117, -22.5784**, and **31.2900, 43.7340, -27.4413** is the 20% darker color. If you saturate the color by 10%, you get **59.1280, 56.1389, -39.5773**, and if you desaturate by 10%, it is **83.3820, 44.1817, -31.0300**.

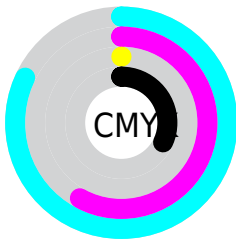
# Distribution



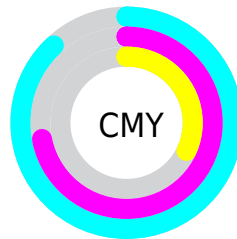
- Red (12%)
- Green (28%)
- Blue (68%)



- Red (12%)
- Yellow (25%)
- Blue (68%)



- Cyan (82%)
- Magenta (58%)
- Yellow (0%)
- Black (32%)



- Cyan (88%)
- Magenta (72%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 71.2550, 50.1603, -35.3036 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 71.2550, 50.1603, -35.3036 by changing the saturation by 10% instead.



■ 71.2550, 50.1603,  
-35.3036

■ 71.2550, 50.1603,  
-35.3036

■ 255.0000, 0.0000,  
0.0000

■ 45.9940, 49.3030,  
-40.3367

■ 126.7450, 50.4117,  
-22.5784

■ 31.2900, 43.7340,  
-27.4413

■ 153.9410, 49.8221,  
-20.1193

■ 15.9990, 38.4545,  
-14.0311

■ 177.8740, 38.0231,  
-15.6755

■ 12.6760, 28.2607,  
-11.1169

■ 202.3940, 25.9348,  
-11.7465

■ 7.5920, 18.9351,  
-6.6582

■ 227.8000, 13.4096,  
-7.7176

■ 3.4370, 10.6306,  
-3.0142

■ 253.2060, 0.8844,

■ 0.0000, 0.0000,

-3.6887

0.0000

■ 71.2550, 50.1603,  
-35.3036

■ 71.2550, 50.1603,  
-35.3036

■ 59.1280, 56.1389,  
-39.5773

■ 83.3820, 44.1817,  
-31.0300

■ 49.0720, 61.0965,  
-43.0361

■ 96.3950, 37.7663,  
-26.6564

■ 108.5220, 31.7877,  
-22.3828

■ 120.6490, 25.8090,  
-18.1092

■ 133.6620, 19.3936,  
-13.7356

■ 145.7890, 13.4150,  
-9.4620

■ 157.9160, 7.4364,  
-5.1883

■ 170.0430, 1.4578,  
-0.9147

■ 183.0560, -4.9576,  
3.4589

# Harmonies

## Analogous

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



73.3500, 52.5785, -64.3280



71.2550, 50.1603, -35.3036



77.8150, 31.1502, 42.2582

# Triad

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



71.2550, 50.1603, -35.3036



71.5200, -35.2594, 62.6880



65.6370, 0.1790, -57.5636

# Complementary

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



71.2550, 50.1603, -35.3036



132.7450, -50.1603, 35.3036

# 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.



56.9220, -25.5975, -49.9206



71.2550, 50.1603, -35.3036



75.7300, -37.3349, 28.3008

# Square

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



71.2550, 50.1603, -35.3036



54.7420, -4.8028, 94.0653



70.1940, -34.6056, -7.1861



72.0380, 22.1663, -63.1773



# Rectangle

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



71.2550, 50.1603, -35.3036



62.6840, 23.3268, 78.3301



70.1940, -34.6056, -7.1861



62.9980, -7.3940, -55.2492

# Sweetspot

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



71.2550, 50.1603, -35.3036



183.7760, 19.8304, -13.8356



125.6400, 2.1495, -82.9993



88.0450, 11.8098, -7.9325



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000



# Same Dimension

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



71.2550, 50.1603, -35.3036



66.6480, 77.5745, -54.9423



55.5600, 57.8979, 3.0169



80.7870, 3.0630, -2.4442



42.3410, 53.0759, -37.1331



6.7310, 8.0206, -5.9031



# Inverse Universe

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



78.1320, -3.0231, 83.1992



77.0760, -4.4745, 128.8523



148.4400, -57.8979, -3.0169



81.0330, -0.0163, 5.2331



49.7520, -3.3287, 87.9175



7.6750, -0.3328, 13.4400



# Previews

## White Background



This preview shows how the YUV color 71.2550, 50.1603, -35.3036 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



This preview shows how the YUV color 71.2550, 50.1603, -35.3036 looks on a 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 71.2550, 50.1603, -35.3036

## Background



This preview shows how black text looks on a background with the YUV color 71.2550, 50.1603, -35.3036.



This preview shows how white text looks on a background with the YUV color 71.2550, 50.1603, -35.3036.



# 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

71.2550, 50.1603, -35.3036

### Protanopia

63.0800, 48.7676, -55.3212

### Deuteranopia

63.3930, 37.2743, -55.5957



## Tritanopia

62.3720, 15.5926, -54.7002

# Trichromacy



## Original Color

71.2550, 50.1603, -35.3036

## Protanomaly

66.2380, 49.1827, -48.4437

## Deuteranomaly

66.2890, 41.7625, -48.4885

## Tritanomaly

65.4450, 28.3746, -47.7483

# Monochromacy



## Original Color

71.2550, 50.1603, -35.3036

## Achromatopsia

71.0000, 0.0000, 0.0000

## Achromatomaly

70.7330, 18.3726, -12.9208

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 71.2550, 50.1603, -35.3036 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, 72, 173)` looks like.

```
.text, #text, p{  
    color:rgb(31, 72, 173)  
}
```

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, 72, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 72, 173) }
```

## Border

The CSS property to change the border of an element to YUV 71.2550, 50.1603, -35.3036 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, 72, 173) }
```



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

```
.border{ border-color:rgb(31, 72, 173) }
```

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

Here you see how a box with a 4 pixel rgb(31, 72, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 72, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 72, 173);  
box-shadow:4px 4px 4px 4px rgb(31, 72,  
173) }
```

# Background

The CSS property to change the background color of an element to YUV 71.2550, 50.1603, -35.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 72, 173) }
```

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

```
.background{ background-color: rgb(31, 72,  
173) }
```

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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