

# Converting Colors

YUV(80.8500, 50.8529,  
-70.9055)

Have a look what the booklet for  
YUV(80.8500, 50.8529, -70.9055)  
contains.

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# Color

**YUV(80.8500, 50.8529,  
-70.9055)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0066B8
RGB	0, 102, 184
RGB Percent	0%, 40%, 72%
CMY	1.0000, 0.6000, 0.2784
CMYK	1.00, 0.45, 0.00, 0.28
HSL	207°, 100%, 36%
HSV	207°, 100%, 72%
XYZ	13.4031, 12.9634, 47.1432
YIQ	80.8500, -87.1140, 3.8780

# Conversions

## Conversions Part 2

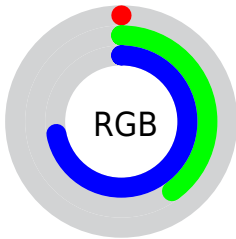
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 66, 184
Decimal	26296
CIELab	42.71, 7.20, -50.08
CIELCh	43, 50.598, 278.180
Yxy	12.9634, 0.1823, 0.1763
Android (android.graphics.Color)	4278216376 (0xFF0066B8)
YUV	80.8500, 50.8529, -70.9055
Hunter-Lab	36.0048, 3.4399, -52.4286

# Details

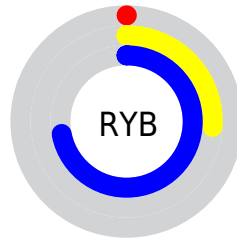
The YUV color **80.8500, 50.8529, -70.9055** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **103.1500, -50.8529, 70.9055**, and the grayscale version is **80.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **144.5050, 47.5720, -45.1699**, and **47.6920, 40.5778, -41.8259** is the 20% darker color. If you saturate the color by 10%, you get **80.8500, 50.8529, -70.9055**, and if you desaturate by 10%, it is **90.9280, 45.8845, -63.9579**.

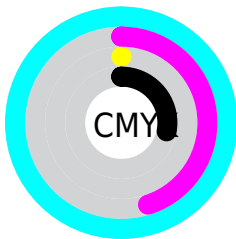
# Distribution



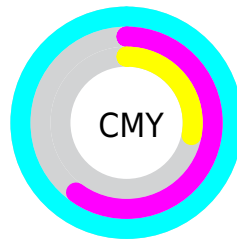
- Red (0%)
- Green (40%)
- Blue (72%)



- Red (0%)
- Yellow (26%)
- Blue (72%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (60%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 80.8500, 50.8529, -70.9055 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 80.8500, 50.8529, -70.9055 by changing the saturation by 10% instead.



■ 80.8500, 50.8529,  
-70.9055

■ 80.8500, 50.8529,  
-70.9055

■ 255.0000, 0.0000,  
0.0000

■ 63.6840, 46.0048,  
-55.8509

■ 144.5050, 47.5720,  
-45.1699

■ 47.6920, 40.5778,  
-41.8259

■ 171.2190, 41.3040,  
-41.4111

■ 33.1020, 35.4457,  
-29.0305

■ 196.0380, 29.0683,  
-36.8673

■ 17.3380, 30.8924,  
-15.2054

■ 221.4440, 16.5431,  
-32.8384

■ 9.3190, 23.0137,  
-8.1728

■ 242.7410, 6.0437,  
-25.2059

■ 5.0500, 14.2723,  
-4.4289

■ 251.7110, 1.6215,

■ 0.7980, 3.0576,

-6.7625

-0.6998

■ 0.0000, 0.0000,  
0.0000

■ 80.8500, 50.8529,  
-70.9055

■ 90.9280, 45.8845,  
-63.9579

■ 101.3050, 40.7686,  
-56.3955

■ 111.9700, 35.5108,  
-49.9627

■ 122.3470, 30.3949,  
-42.4003

■ 132.4250, 25.4265,  
-35.4527

■ 142.5030, 20.4580,  
-28.5051

■ 152.8800, 15.3422,  
-20.9428

■ 163.5450, 10.0843,  
-14.5100

■ 173.9220, 4.9685,  
-6.9476

# Harmonies

## Analogous

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



87.2100, 44.7595, -76.4832



80.8500, 50.8529, -70.9055



103.3290, 31.3898, 11.9895

# Triad

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



80.8500, 50.8529, -70.9055



96.8480, -22.6031, 63.2773



77.0180, -4.4459, -67.5448

# Complementary

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



80.8500, 50.8529, -70.9055



103.1500, -50.8529, 70.9055

# 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.



89.2570, -30.1997, -20.3964



80.8500, 50.8529, -70.9055



96.2480, -39.5623, 42.7555

# Square

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



80.8500, 50.8529, -70.9055



96.7450, -2.8323, 68.6296



93.6500, -46.1695, 15.2159



83.0940, 13.7577, -72.8734



# Rectangle

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



80.8500, 50.8529, -70.9055



102.5730, 21.4095, 39.8395



93.6500, -46.1695, 15.2159



75.7320, -10.7139, -63.7860

# Sweetspot

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



80.8500, 50.8529, -70.9055



199.6880, 19.8738, -27.7904



117.1280, -18.3041, -102.7213



95.9900, 11.8369, -16.6542



247.0000, 0.0000, 0.0000



120.0000, 0.0000, 0.0000



# Same Dimension

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



80.8500, 50.8529, -70.9055



105.4310, 66.3425, -92.4630



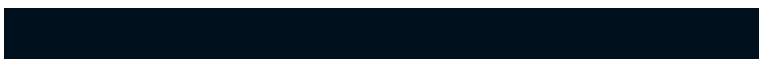
28.0200, 76.8981, -24.5735



86.9610, 2.4842, -3.4738



68.2660, 43.2529, -59.8693



12.5840, 7.6001, -11.0362



# Inverse Universe

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



66.6440, 17.4305, 102.9212



86.9220, 22.7165, 134.2494



155.9800, -76.8981, 24.5735



86.2610, 0.8573, 5.0331



56.4480, 14.5691, 87.3071



10.1960, 2.8614, 15.6141



# Previews

## White Background



This preview shows how the YUV color 80.8500, 50.8529, -70.9055 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 80.8500, 50.8529, -70.9055 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

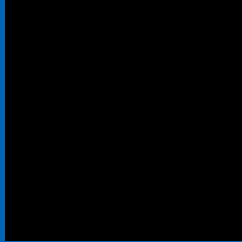
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 80.8500, 50.8529, -70.9055

## Background



This preview shows how black text looks on a background with the YUV color 80.8500, 50.8529, -70.9055.



This preview shows how white text looks on a background with the YUV color 80.8500, 50.8529,



# 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



### Protanopia

96.5840, 41.1241, -30.3302

### Deuteranopia

81.0950, 49.2532, -71.1203

### Tritanopia

79.3100, 19.5672, -69.5549

# Trichromacy



## Protanomaly

90.4080, 44.6619, -45.0848

## Deuteranomaly

81.2090, 49.6900, -71.2203

## Tritanomaly

79.6980, 31.2079, -69.8951

# Monochromacy



## Achromatopsia

81.0000, 0.0000, 0.0000

## Achromatomaly

81.2430, 18.1212, -25.6461

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 80.8500, 50.8529, -70.9055 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(0, 102, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 184)  
}
```

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(0, 102, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 184) }
```

## Border

The CSS property to change the border of an element to YUV 80.8500, 50.8529, -70.9055 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(0, 102, 184) }
```

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

```
.border{ border-color:rgb(0, 102, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
184) }
```



# Background

The CSS property to change the background color of an element to YUV 80.8500, 50.8529, -70.9055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 184) }
```

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

```
.background{ background-color: rgb(0, 102,  
184) }
```

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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