

Converting Colors

YUV(77.8600, -20.6370,
86.0688)

Have a look what the booklet for
YUV(77.8600, -20.6370, 86.0688)
contains.

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Color

**YUV(77.8600, -20.6370,
86.0688)**

Conversions

Conversions Part 1

Format	Color
Hex	B02424
RGB	176, 36, 36
RGB Percent	69%, 14%, 14%
CMY	0.3098, 0.8588, 0.8588
CMYK	0.00, 0.80, 0.80, 0.31
HSL	0°, 66%, 42%
HSV	0°, 80%, 69%
XYZ	18.8538, 10.6192, 2.7251
YIQ	77.8600, 83.4400, 29.6800

Conversions

Conversions Part 2

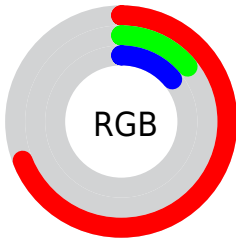
Format	Color
R_{YB}	176, 36, 36
Decimal	11543588
CIE _{Lab}	38.93, 54.83, 36.21
CIE _{LCh}	39, 65.704, 33.441
Yxy	10.6192, 0.5856, 0.3298
Android (android.graphics.Color)	4289733668 (0xFFB02424)
YUV	77.8600, -20.6370, 86.0688
Hunter-Lab	32.5872, 46.2464, 17.8529

Details

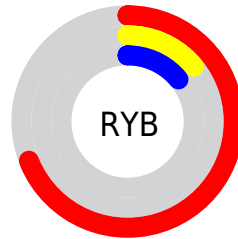
The YUV color **77.8600, -20.6370, 86.0688** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **134.1400, 20.6370, -86.0688**, and the grayscale version is **78.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.9870, -26.6156, 90.3424**, and **34.3850, -16.9518, 70.6994** is the 20% darker color. If you saturate the color by 10%, you get **65.2420, -23.2903, 97.1348**, and if you desaturate by 10%, it is **90.4780, -17.9837, 75.0028**.

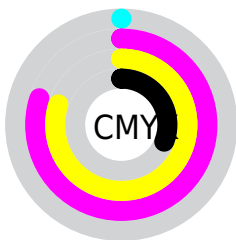
Distribution



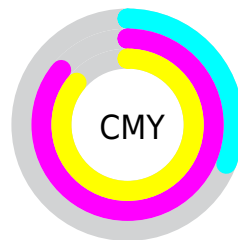
- Red (69%)
- Green (14%)
- Blue (14%)



- Red (69%)
- Yellow (14%)
- Blue (14%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (31%)



- Cyan (31%)
- Magenta (86%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the YUV color 77.8600, -20.6370, 86.0688 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 77.8600, -20.6370, 86.0688 by changing the saturation by 10% instead.

■ 77.8600, -20.6370,
86.0688

■ 77.8600, -20.6370,
86.0688

255.0000, 0.0000,
0.0000

■ 45.0650, -14.8220,
87.6430

■ 135.9870,
-26.6156, 90.3424

■ 34.3850, -16.9518,
70.6994

■ 159.9430,
-26.5939, 83.3650

■ 25.4150, -12.5296,
52.2560

■ 179.2290,
-23.7769, 66.4512

■ 17.5700, -7.6760,
35.4571

■ 198.7430,
-20.0863, 49.3374

■ 5.0830, -2.5059,
10.4512

■ 218.8440,
-16.6851, 31.7088

■ 0.0000, 0.0000,
0.0000

■ 238.9450,

-13.2839, 14.0802

253.4040, -6.1152,
1.3997

77.8600, -20.6370,
86.0688

77.8600, -20.6370,
86.0688

65.2420, -23.2903,
97.1348

90.4780, -17.9837,
75.0028

53.3250, -25.7962,
107.5860

102.3950,
-15.4777, 64.5516

52.6240, -25.9436,
108.2008

115.0130,
-12.8244, 53.4856

126.9300,
-10.3185, 43.0344

139.5480, -7.6652,
31.9684

■ 152.1660, -5.0118,
20.9024

■ 164.0830, -2.5059,
10.4512

■ 176.7010, 0.1474,
-0.6148

■ 188.6180, 2.6533,
-11.0660

Harmonies

Analogous

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



64.4500, 11.6101, 103.0913



77.8600, -20.6370, 86.0688



85.6410, -42.2210, 55.5658

Triad

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



77.8600, -20.6370, 86.0688



69.7170, -14.6505, -61.1418



79.7390, 59.2887, -69.9311

Complementary

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



77.8600, -20.6370, 86.0688



134.1400, 20.6370, -86.0688

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.



85.4150, 50.5744, -74.9090



77.8600, -20.6370, 86.0688



77.9760, 9.3788, -68.3850

Square

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



77.8600, -20.6370, 86.0688



76.2860, -37.6090, -23.9298



84.0180, 32.5291, -73.6838



92.2920, 44.2260, 1.4979

Rectangle

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



77.8600, -20.6370, 86.0688



86.3730, -42.5819, 31.2449



84.0180, 32.5291, -73.6838



82.5600, 57.4049, -72.4051

Sweetspot

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



77.8600, -20.6370, 86.0688



190.7440, -8.2548, 34.4275



93.8200, 40.5147, 72.0719



91.1660, -5.0118, 20.9024



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000

Same Dimension

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



77.8600, -20.6370, 86.0688



76.4810, -32.2821, 134.6362



118.9500, -40.8943, 50.0329



82.6910, -1.3267, 5.5330



45.7470, -22.5533, 94.0609



7.7740, -3.8326, 15.9842

Inverse Universe

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



134.1400, 20.6370, -86.0688



164.5190, 32.2821, -134.6362



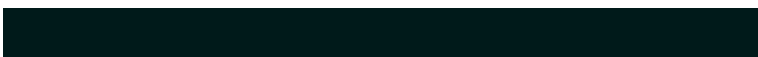
93.0500, 40.8944, -50.0328



86.3090, 1.3267, -5.5330



107.2530, 22.5533, -94.0609



18.2260, 3.8326, -15.9842

Previews

White Background



This preview shows how the YUV color 77.8600, -20.6370, 86.0688 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 77.8600, -20.6370, 86.0688 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 77.8600, -20.6370, 86.0688

Background



This preview shows how black text looks on a background with the YUV color 77.8600, -20.6370, 86.0688.



This preview shows how white text looks on a background with the YUV color 77.8600, -20.6370,

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

77.8600, -20.6370, 86.0688

Protanopia

91.0170, -19.2354, 9.6321

Deuteranopia

89.3750, -32.2299, 24.2271



Tritanopia

77.8600, -20.6370, 86.0688

Trichromacy



Original Color

77.8600, -20.6370, 86.0688

Protanomaly

86.0790, -19.7589, 37.6417

Deuteranomaly

84.9570, -28.0798, 46.5187

Tritanomaly

77.8600, -20.6370, 86.0688

Monochromacy



Original Color

77.8600, -20.6370, 86.0688

Achromatopsia

78.0000, 0.0000, 0.0000

Achromatomaly

78.2490, -7.5178, 31.3536

CSS Examples

Text

The CSS property to change the color of the text to YUV 77.8600, -20.6370, 86.0688 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(176, 36, 36)` looks like.

```
.text, #text, p{  
    color:rgb(176, 36, 36)  
}
```

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(176, 36, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 36, 36) }
```

Border

The CSS property to change the border of an element to YUV 77.8600, -20.6370, 86.0688 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(176, 36, 36) }
```


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

```
.border{ border-color:rgb(176, 36, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 36, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 36, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 36, 36);  
box-shadow:4px 4px 4px 4px rgb(176, 36,  
36) }
```

Background

The CSS property to change the background color of an element to YUV 77.8600, -20.6370, 86.0688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 36, 36) }
```

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

```
.background{ background-color: rgb(176, 36,  
36) }
```

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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