

Converting Colors

YUV(49.8480, 84.3779,
-43.7167)

Have a look what the booklet for
YUV(49.8480, 84.3779, -43.7167)
contains.

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Color

**YUV(49.8480, 84.3779,
-43.7167)**

Conversions

Conversions Part 1

Format	Color
Hex	002ADD
RGB	0, 42, 221
RGB Percent	0%, 16%, 87%
CMY	1.0000, 0.8353, 0.1333
CMYK	1.00, 0.81, 0.00, 0.13
HSL	229°, 100%, 43%
HSV	229°, 100%, 87%
XYZ	13.8791, 6.8764, 69.0024
YIQ	49.8480, -82.4910, 46.7650

Conversions

Conversions Part 2

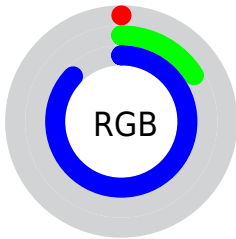
Format	Color
R_{YB}	0, 35, 221
Decimal	10973
CIE _{Lab}	31.52, 58.45, -89.85
CIE _{LCh}	32, 107.192, 303.045
Yxy	6.8764, 0.1546, 0.0766
Android (android.graphics.Color)	4278201053 (0xFF002ADD)
YUV	49.8480, 84.3779, -43.7167
Hunter-Lab	26.2229, 48.5856, -137.6586

Details

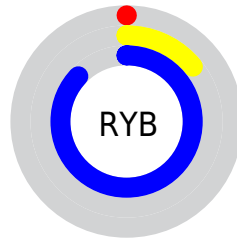
The YUV color **49.8480, 84.3779, -43.7167** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **171.1520, -84.3779, 43.7167**, and the grayscale version is **49.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **115.0780, 68.9815, -5.3304**, and **18.6960, 71.6349, -16.3964** is the 20% darker color. If you saturate the color by 10%, you get **49.8480, 84.3779, -43.7167**, and if you desaturate by 10%, it is **66.9920, 75.9259, -39.4580**.

Distribution



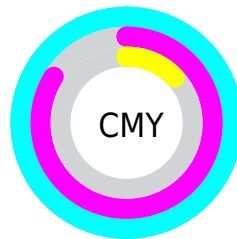
- Red (0%)
- Green (16%)
- Blue (87%)



- Red (0%)
- Yellow (14%)
- Blue (87%)



- Cyan (100%)
- Magenta (81%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (84%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the YUV color 49.8480, 84.3779, -43.7167 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 49.8480, 84.3779, -43.7167 by changing the saturation by 10% instead.

■ 49.8480, 84.3779,
-43.7167

■ 49.8480, 84.3779,
-43.7167

■ 255.0000, 0.0000,
0.0000

■ 31.8670, 78.9456,
-27.9474

■ 115.0780, 68.9815,
-5.3304

■ 18.6960, 71.6349,
-16.3964

■ 140.5060, 56.4455,
2.1872

■ 15.6180, 59.8413,
-13.6970

■ 165.3360, 44.2044,
8.4753

■ 14.3010, 47.1796,
-12.5420

■ 190.7530, 31.6738,
14.2486

■ 16.7340, 33.6551,
-14.6757

■ 216.7570, 18.8538,
19.5071

■ 10.3620, 24.4715,
-9.0875

■ 237.9770, 8.3923,

■ 5.5060, 16.0195,

14.9292

-4.8288

■ 2.2970, 6.2626,
-2.0145

■ 0.0000, 0.0000,
0.0000

■ 49.8480, 84.3779,
-43.7167

■ 66.9920, 75.9259,
-39.4580

■ 84.1360, 67.4740,
-35.1993

■ 101.2800, 59.0220,
-30.9406

■ 118.4240, 50.5700,
-26.6818

■ 135.8670, 41.9706,
-21.8084

■ 152.4240, 33.8080,
-17.0348

■ 169.5680, 25.3560,
-12.7761

■ 186.7120, 16.9040,
-8.5174

■ 203.8560, 8.4520,
-4.2587

Harmonies

Analogous

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



80.2700, 84.1699, -70.3968



49.8480, 84.3779, -43.7167



68.8700, 41.4761, 90.4450

Triad

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



49.8480, 84.3779, -43.7167



58.3400, -28.7616, 78.6318



67.3470, 6.7309, -59.0633

Complementary

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



49.8480, 84.3779, -43.7167



171.1520, -84.3779, 43.7167

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.



56.9390, -28.0709, -49.9355



49.8480, 84.3779, -43.7167



69.1410, -34.0865, 13.0313

Square

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



49.8480, 84.3779, -43.7167



57.4080, -28.3021, 118.0372



54.0040, -26.6240, -47.3615



78.9120, 43.4274, -69.2058

Rectangle

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



49.8480, 84.3779, -43.7167



70.9720, 13.3248, 113.1576



54.0040, -26.6240, -47.3615



63.9270, -6.3730, -56.0640

Sweetspot

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



49.8480, 84.3779, -43.7167



195.8820, 29.1452, -14.8055



149.9050, 13.3578, -131.4667



91.9400, 17.7776, -8.7174



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

Same Dimension

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



49.8480, 84.3779, -43.7167



57.2460, 97.4927, -50.2047



44.9280, 86.8035, 18.4801



101.4280, 4.2260, -2.1294



39.0930, 66.0162, -34.2846



10.5270, 17.4882, -9.2322

Inverse Universe

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



70.8670, -14.2314, 131.6666



81.7170, -16.6225, 151.9692



176.0720, -86.8035, -18.4801



102.5170, -0.7479, 6.5626



55.4890, -11.0871, 103.0571



14.7800, -2.8495, 27.3799

Previews

White Background



This preview shows how the YUV color 49.8480, 84.3779, -43.7167 looks on a white background.

Color Contrast Check

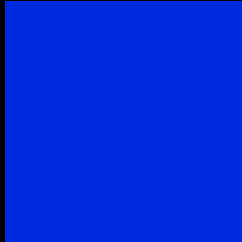
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.8480, 84.3779, -43.7167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

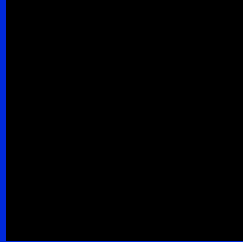
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 49.8480, 84.3779, -43.7167

Background



This preview shows how black text looks on a background with the YUV color 49.8480, 84.3779, -43.7167.



This preview shows how white text looks on a background with the YUV color 49.8480, 84.3779, -43.7167.

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

59.3640, 44.6835, -52.0622

Deuteranopia

59.0900, 33.4796, -51.8219

Tritanopia

57.9380, 13.8346, -50.8116

Trichromacy



Protanomaly

55.8710, 59.2236, -48.9989

Deuteranomaly

55.9220, 51.8035, -49.0436

Tritanomaly

54.7190, 39.5785, -47.9886

Monochromacy



Achromatopsia

50.0000, 0.0000, 0.0000

Achromatomaly

49.9250, 30.6030, -15.7202

CSS Examples

Text

The CSS property to change the color of the text to YUV 49.8480, 84.3779, -43.7167 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, 42, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 42, 221)  
}
```

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, 42, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 42, 221) }
```

Border

The CSS property to change the border of an element to YUV 49.8480, 84.3779, -43.7167 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, 42, 221) }
```

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

```
.border{ border-color:rgb(0, 42, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 42, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 42, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 42, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 42, 221)  
}
```


Background

The CSS property to change the background color of an element to YUV 49.8480, 84.3779, -43.7167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 42, 221) }
```

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

```
.background{ background-color: rgb(0, 42,  
221) }
```

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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