

Converting Colors

YUV(46.9640, 78.4047,
-41.1874)

Have a look what the booklet for
YUV(46.9640, 78.4047, -41.1874)
contains.

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Color

**YUV(46.9640, 78.4047,
-41.1874)**

Conversions

Conversions Part 1

Format	Color
Hex	0028CE
RGB	0, 40, 206
RGB Percent	0%, 16%, 81%
CMY	1.0000, 0.8431, 0.1922
CMYK	1.00, 0.81, 0.00, 0.19
HSL	228°, 100%, 40%
HSV	228°, 100%, 81%
XYZ	11.8994, 5.9738, 58.9184
YIQ	46.9640, -77.1260, 43.1460

Conversions

Conversions Part 2

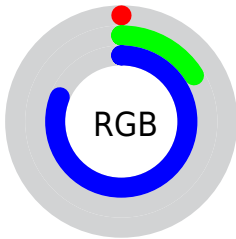
Format	Color
RYB	0, 33, 206
Decimal	10446
CIELab	29.35, 54.67, -84.79
CIELCh	29, 100.891, 302.812
Yxy	5.9738, 0.1550, 0.0778
Android (android.graphics.Color)	4278200526 (0xFF0028CE)
YUV	46.9640, 78.4047, -41.1874
Hunter-Lab	24.4414, 44.1309, -125.8155

Details

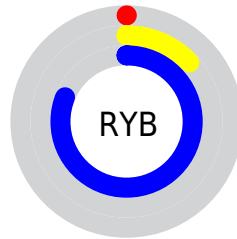
The YUV color **46.9640, 78.4047, -41.1874** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **159.0360, -78.4047, 41.1874**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **112.1210, 70.4393, -6.2451**, and **17.1000, 65.5197, -14.9967** is the 20% darker color. If you saturate the color by 10%, you get **46.9640, 78.4047, -41.1874**, and if you desaturate by 10%, it is **63.2220, 70.3896, -37.0287**.

Distribution



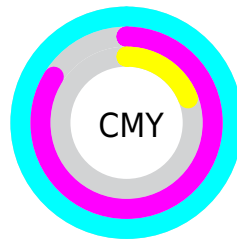
- Red (0%)
- Green (16%)
- Blue (81%)



- Red (0%)
- Yellow (13%)
- Blue (81%)



- Cyan (100%)
- Magenta (81%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (84%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the YUV color 46.9640, 78.4047, -41.1874 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 46.9640, 78.4047, -41.1874 by changing the saturation by 10% instead.

■ 46.9640, 78.4047,
-41.1874

■ 46.9640, 78.4047,
-41.1874

■ 255.0000, 0.0000,
0.0000

■ 29.6840, 73.1198,
-26.0329

■ 112.1210, 70.4393,
-6.2451

■ 17.1000, 65.5197,
-14.9967

■ 137.2500, 58.0508,
0.6578

■ 14.0220, 53.7262,
-12.2973

■ 162.0800, 45.8096,
6.9458

■ 16.3410, 39.7649,
-14.3311

■ 187.1980, 33.4264,
12.1044

■ 12.9040, 29.1343,
-11.3168

■ 212.3160, 21.0432,
17.2629

■ 7.9340, 20.2455,
-6.9581

■ 236.2160, 9.2605,

■ 3.6650, 11.5042,

16.4736

-3.2142

253.2390, 0.8682,
1.5444

0.0000, 0.0000,
0.0000

46.9640, 78.4047,
-41.1874

63.2220, 70.3896,
-37.0287

78.5940, 62.8112,
-32.9699

94.8520, 54.7960,
-28.8112

110.2240, 47.2176,
-24.7524

126.4820, 39.2024,
-20.5937

■ 142.7400, 31.1872,
-16.4350

■ 158.1120, 23.6088,
-12.3762

■ 174.3700, 15.5936,
-8.2175

■ 189.7420, 8.0152,
-4.1587

Harmonies

Analogous

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



74.6960, 78.0439, -65.5084



46.9640, 78.4047, -41.1874



64.1420, 38.8770, 84.0675

Triad

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



46.9640, 78.4047, -41.1874



54.1760, -26.7088, 73.5136



63.1410, 5.8465, -55.3747

Complementary

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



46.9640, 78.4047, -41.1874



159.0360, -78.4047, 41.1874

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.



53.4170, -26.3346, -46.8467



46.9640, 78.4047, -41.1874



64.7110, -31.9025, 12.5315

Square

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



46.9640, 78.4047, -41.1874



53.5210, -26.3859, 110.0451



49.8950, -24.5982, -43.7579



73.4350, 40.2115, -64.4025

Rectangle

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



46.9640, 78.4047, -41.1874



66.1020, 12.7677, 105.1505



49.8950, -24.5982, -43.7579



59.3620, -6.0945, -52.0605

Sweetspot

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



46.9640, 78.4047, -41.1874



195.8820, 29.1452, -14.8055



139.7320, 12.4571, -122.5450



92.5270, 17.4882, -9.2322



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.



46.9640, 78.4047, -41.1874



58.4200, 96.9139, -51.2343



42.0220, 80.8412, 17.5207



94.3140, 3.7892, -2.0294



37.7080, 63.2480, -33.0699



8.4410, 14.5726, -7.4028

Inverse Universe

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



66.1540, -12.8939, 122.6449



81.9450, -15.7489, 151.7692



163.9780, -80.8412, -17.5207



95.2180, -0.6005, 5.9478



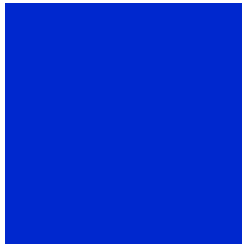
53.2820, -10.4920, 98.8537



12.1600, -2.5439, 22.6617

Previews

White Background



This preview shows how the YUV color 46.9640, 78.4047, -41.1874 looks on a white background.

Color Contrast Check

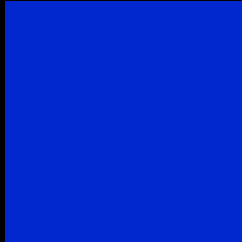
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.9640, 78.4047, -41.1874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

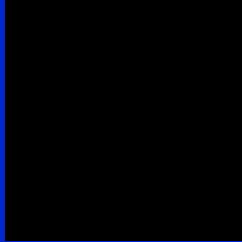
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 46.9640, 78.4047, -41.1874

Background



This preview shows how black text looks on a background with the YUV color 46.9640, 78.4047, -41.1874.



This preview shows how white text looks on a background with the YUV color 46.9640, 78.4047, -41.1874.

-41.1874.

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

46.9640, 78.4047, -41.1874

Protanopia

55.4030, 42.1993, -48.5884

Deuteranopia

55.8300, 31.1428, -48.9629



Tritanopia

54.4330, 13.0975, -47.7377

Trichromacy



Original Color

46.9640, 78.4047, -41.1874

Protanomaly

52.2690, 55.5764, -45.8399

Deuteranomaly

52.4340, 48.5930, -45.9846

Tritanomaly

51.9320, 36.5155, -45.5444

Monochromacy



Original Color

46.9640, 78.4047, -41.1874

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

46.7680, 28.7084, -14.7055

CSS Examples

Text

The CSS property to change the color of the text to YUV 46.9640, 78.4047, -41.1874 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, 40, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 40, 206)  
}
```

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, 40, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 40, 206) }
```

Border

The CSS property to change the border of an element to YUV 46.9640, 78.4047, -41.1874 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, 40, 206) }
```


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

```
.border{ border-color:rgb(0, 40, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 40, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 40, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 40, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 40, 206)  
}
```

Background

The CSS property to change the background color of an element to YUV 46.9640, 78.4047, -41.1874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 40, 206) }
```

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

```
.background{ background-color: rgb(0, 40,  
206) }
```

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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