

Converting Colors

YUV(42.0160, 49.2921,
-36.8480)

Have a look what the booklet for
YUV(42.0160, 49.2921, -36.8480)
contains.

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Color

**YUV(42.0160, 49.2921,
-36.8480)**

Conversions

Conversions Part 1

Format	Color
Hex	002C8E
RGB	0, 44, 142
RGB Percent	0%, 17%, 56%
CMY	1.0000, 0.8275, 0.4431
CMYK	1.00, 0.69, 0.00, 0.44
HSL	221°, 100%, 28%
HSV	221°, 100%, 56%
XYZ	5.7832, 3.7544, 26.0110
YIQ	42.0160, -57.6820, 21.1500

Conversions

Conversions Part 2

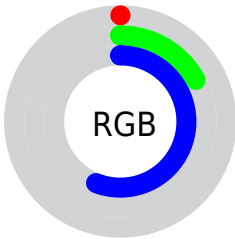
Format	Color
RYB	0, 34, 142
Decimal	11406
CIELab	22.84, 29.24, -57.13
CIELCh	23, 64.174, 297.101
Yxy	3.7544, 0.1627, 0.1056
Android (android.graphics.Color)	4278201486 (0xFF002C8E)
YUV	42.0160, 49.2921, -36.8480
Hunter-Lab	19.3762, 19.3683, -66.0290

Details

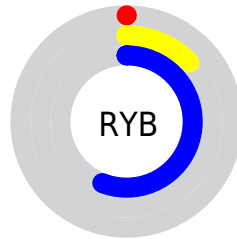
The YUV color **42.0160, 49.2921, -36.8480** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **99.9840, -49.2921, 36.8480**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **99.5180, 48.0586, -14.4863**, and **10.3740, 39.7486, -9.0980** is the 20% darker color. If you saturate the color by 10%, you get **42.0160, 49.2921, -36.8480**, and if you desaturate by 10%, it is **52.0720, 44.3345, -33.3891**.

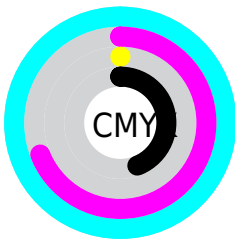
Distribution



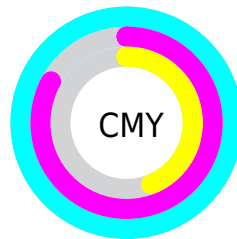
- Red (0%)
- Green (17%)
- Blue (56%)



- Red (0%)
- Yellow (13%)
- Blue (56%)



- Cyan (100%)
- Magenta (69%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (83%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the YUV color 42.0160, 49.2921, -36.8480 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 42.0160, 49.2921, -36.8480 by changing the saturation by 10% instead.

■ 42.0160, 49.2921,
-36.8480

■ 42.0160, 49.2921,
-36.8480

■ 255.0000, 0.0000,
0.0000

■ 27.3120, 43.7232,
-23.9526

■ 99.5180, 48.0586,
-14.4863

■ 10.3740, 39.7486,
-9.0980

■ 126.0560, 48.7794,
-12.3271

■ 11.6330, 26.8029,
-10.2021

■ 152.7080, 49.9370,
-10.2679

■ 6.6630, 17.9141,
-5.8435

■ 177.3420, 38.2854,
-6.4389

■ 2.9810, 8.8834,
-2.6143

■ 202.1610, 26.0496,
-1.8952

■ 0.0000, 0.0000,
0.0000

■ 227.2680, 13.6719,

1.5190

251.4780, 1.7363,
3.0888

42.0160, 49.2921,
-36.8480

52.0720, 44.3345,
-33.3891

62.1280, 39.3769,
-29.9303

71.8960, 34.5613,
-25.3418

81.9520, 29.6037,
-21.8829

92.0080, 24.6461,
-18.4240

■ 102.0640, 19.6884,
-14.9651

■ 112.1200, 14.7308,
-11.5062

■ 121.8880, 9.9152,
-6.9178

■ 131.9440, 4.9576,
-3.4589

Harmonies

Analogous

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



55.0100, 48.3091, -48.2438



42.0160, 49.2921, -36.8480



43.4080, 31.8439, 53.1392

Triad

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



42.0160, 49.2921, -36.8480



46.6680, -23.0073, 52.9112



47.1490, 0.4195, -41.3497

Complementary

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



42.0160, 49.2921, -36.8480



99.9840, -49.2921, 36.8480

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.



40.5030, -19.9680, -35.5211



42.0160, 49.2921, -36.8480



52.0520, -25.6616, 17.4944

Square

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



42.0160, 49.2921, -36.8480



40.2810, -12.4635, 77.8066



43.8470, -21.6166, -20.0368



53.4360, 21.9701, -46.8634

Rectangle

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



42.0160, 49.2921, -36.8480



46.1530, 15.2076, 69.1488



43.8470, -21.6166, -20.0368



45.2110, -7.0060, -39.6500

Sweetspot

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



42.0160, 49.2921, -36.8480



145.2490, 19.1042, -14.2504



94.4120, 1.2759, -82.7993



68.6320, 11.5204, -8.4473



219.0000, 0.0000, 0.0000



92.0000, 0.0000, 0.0000

Same Dimension

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



42.0160, 49.2921, -36.8480



54.4350, 63.8755, -47.7395



23.9620, 58.1927, 1.7873



65.9720, 2.4788, -1.7294



40.0440, 46.8133, -35.1186



2.0860, 2.9156, -1.8294

Inverse Universe

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



47.4740, -1.7127, 82.8993



61.5140, -2.2254, 107.4202



118.0380, -58.1927, -1.7873



66.3210, -0.1583, 4.1035



45.1530, -1.5544, 78.7958



2.6200, -0.3057, 4.7183

Previews

White Background



This preview shows how the YUV color 42.0160, 49.2921, -36.8480 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 42.0160, 49.2921, -36.8480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

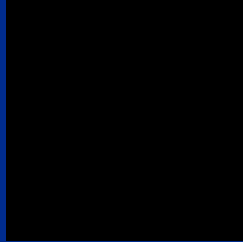
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 42.0160, 49.2921, -36.8480

Background



This preview shows how black text looks on a background with the YUV color 42.0160, 49.2921, -36.8480.



This preview shows how white text looks on a background with the YUV color 42.0160, 49.2921,

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

42.0160, 49.2921, -36.8480

Protanopia

43.9930, 34.0205, -38.5819

Deuteranopia

44.4030, 25.4373, -38.9414



Tritanopia

43.8040, 10.4496, -38.4161

Trichromacy



Original Color

42.0160, 49.2921, -36.8480

Protanomaly

43.4860, 39.6934, -38.1372

Deuteranomaly

43.4060, 34.3098, -38.0671

Tritanomaly

42.8870, 24.7057, -37.6119

Monochromacy



Original Color

42.0160, 49.2921, -36.8480

Achromatopsia

42.0000, 0.0000, 0.0000

Achromatomaly

42.2060, 17.6464, -13.3357

CSS Examples

Text

The CSS property to change the color of the text to YUV 42.0160, 49.2921, -36.8480 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, 44, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 44, 142)  
}
```

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, 44, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 44, 142) }
```

Border

The CSS property to change the border of an element to YUV 42.0160, 49.2921, -36.8480 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, 44, 142) }
```


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

```
.border{ border-color:rgb(0, 44, 142) }
```

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

Here you see how a box with a 4 pixel rgb(0, 44, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 44, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 44, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 44, 142)  
}
```

Background

The CSS property to change the background color of an element to YUV 42.0160, 49.2921, -36.8480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 44, 142) }
```

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

```
.background{ background-color: rgb(0, 44,  
142) }
```

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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