

# Converting Colors

YUV(102.4840, 42.6524,  
-53.9215)

Have a look what the booklet for  
YUV(102.4840, 42.6524, -53.9215)  
contains.

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# Color

**YUV(102.4840, 42.6524,  
-53.9215)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2975BD
RGB	41, 117, 189
RGB Percent	16%, 46%, 74%
CMY	0.8392, 0.5412, 0.2588
CMYK	0.78, 0.38, 0.00, 0.26
HSL	209°, 64%, 45%
HSV	209°, 78%, 74%
XYZ	16.4610, 16.8681, 50.5324
YIQ	102.4840, -68.4080, 6.2800

# Conversions

## Conversions Part 2

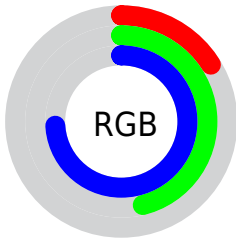
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	41, 91, 189
Decimal	2717117
CIE <sub>Lab</sub>	48.09, 2.44, -44.34
CIE <sub>LCh</sub>	48, 44.407, 273.149
Yxy	16.8681, 0.1963, 0.2011
Android (android.graphics.Color)	4280907197 (0xFF2975BD)
YUV	102.4840, 42.6524, -53.9215
Hunter-Lab	41.0708, -0.3317, -44.1992

# Details

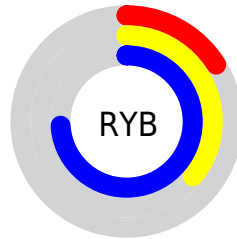
The YUV color **102.4840, 42.6524, -53.9215** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **127.5160, -42.6524, 53.9215**, and the grayscale version is **102.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **159.5390, 42.6253, -45.1997**, and **55.8930, 38.9998, -49.0182** is the 20% darker color. If you saturate the color by 10%, you get **91.5200, 48.0576, -60.9690**, and if you desaturate by 10%, it is **113.4480, 37.2471, -46.8739**.

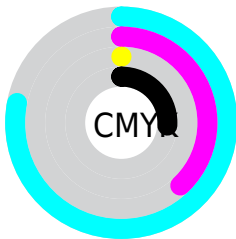
# Distribution



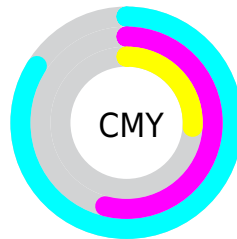
- Red (16%)
- Green (46%)
- Blue (74%)



- Red (16%)
- Yellow (36%)
- Blue (74%)



- Cyan (78%)
- Magenta (38%)
- Yellow (0%)
- Black (26%)



- Cyan (84%)
- Magenta (54%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 102.4840, 42.6524, -53.9215 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 102.4840, 42.6524, -53.9215 by changing the saturation by 10% instead.



■ 102.4840, 42.6524,  
-53.9215

■ 102.4840, 42.6524,  
-53.9215

255.0000, 0.0000,  
0.0000

■ 73.0590, 43.8479,  
-64.0727

■ 159.5390, 42.6253,  
-45.1997

■ 55.8930, 38.9998,  
-49.0182

■ 185.3840, 34.3207,  
-41.5558

■ 40.6020, 33.7202,  
-35.6080

■ 210.7900, 21.7955,  
-37.5268

■ 26.1260, 29.0249,  
-22.9125

■ 235.8970, 9.4178,  
-34.1127

■ 10.4760, 24.9083,  
-9.1875

■ 246.6280, 4.1274,  
-17.2138

■ 6.0930, 15.7302,  
-5.3436

■ 2.2970, 6.2626,

-2.0145

■ 0.0000, 0.0000,  
0.0000

■ 102.4840, 42.6524,  
-53.9215

■ 102.4840, 42.6524,  
-53.9215

■ 91.5200, 48.0576,  
-60.9690

■ 113.4480, 37.2471,  
-46.8739

■ 80.5560, 53.4629,  
-68.0166

■ 124.4120, 31.8419,  
-39.8263

■ 78.4850, 54.4839,  
-68.8313

■ 135.9630, 26.1472,  
-33.2936

■ 146.9270, 20.7420,  
-26.2460

■ 157.5920, 15.4841,  
-19.8132

■ 168.5560, 10.0789,  
-12.7656

■ 179.5200, 4.6736,  
-5.7180

■ 191.0710, -1.0210,  
0.8147

■ 202.0350, -6.4263,  
7.8623

# Harmonies

## Analogous

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



95.1830, 42.3078, -83.4755



102.4840, 42.6524, -53.9215



116.8180, 29.6697, 3.6676

# Triad

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



102.4840, 42.6524, -53.9215



112.8520, -18.6610, 58.8888



95.7810, -8.2730, -53.3049

# Complementary

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



102.4840, 42.6524, -53.9215



127.5160, -42.6524, 53.9215

# 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.



105.7680, -28.4796, -12.0745



102.4840, 42.6524, -53.9215



112.0830, -32.5789, 42.9002

# Square

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



102.4840, 42.6524, -53.9215



114.1460, -1.0580, 59.5080



109.9630, -37.4498, 18.4494



91.4090, 12.6164, -80.1657



# Rectangle

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



102.4840, 42.6524, -53.9215



117.6920, 20.8578, 30.0881



109.9630, -37.4498, 18.4494



100.4150, -16.4736, -36.3210

# Sweetspot

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



102.4840, 42.6524, -53.9215



211.5210, 16.5051, -20.6279



136.0840, -11.3804, -83.3887



102.4420, 9.6421, -12.6656



250.0000, 0.0000, 0.0000



122.0000, 0.0000, 0.0000



# Same Dimension

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



102.4840, 42.6524, -53.9215



110.4860, 66.3154, -83.7412



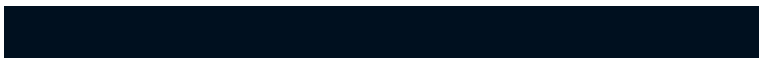
59.0460, 64.0673, -15.8263



88.9610, 2.4842, -3.4738



65.5590, 45.5734, -57.4952



12.9260, 8.9105, -11.3361



# Inverse Universe

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



93.9160, 11.3804, 83.3887



97.2220, 17.6386, 129.6013



170.9540, -64.0673, 15.8263



88.2610, 0.8573, 5.0331



56.4760, 12.0903, 89.0365



11.0930, 2.4192, 17.4584



# Previews

## White Background



This preview shows how the YUV color 102.4840, 42.6524, -53.9215 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 102.4840, 42.6524, -53.9215 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

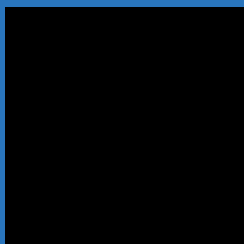
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

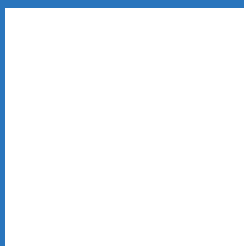
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 102.4840, 42.6524, -53.9215

## Background



This preview shows how black text looks on a background with the YUV color 102.4840, 42.6524, -53.9215.



This preview shows how white text looks on a background with the YUV color 102.4840, 42.6524, -53.9215.



# 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

102.4840, 42.6524, -53.9215

### Protanopia

111.5480, 35.7188, -23.2826

### Deuteranopia

107.1160, 40.8618, -39.5667



## Tritanopia

89.4660, 22.9413, -78.4617

# Trichromacy



## Original Color

102.4840, 42.6524, -53.9215

## Protanomaly

108.1660, 38.3722, -34.3486

## Deuteranomaly

105.3110, 41.7517, -44.9997

## Tritanomaly

94.3560, 29.8975, -69.5952

# Monochromacy



## Original Color

102.4840, 42.6524, -53.9215

## Achromatopsia

102.0000, 0.0000, 0.0000

## Achromatomaly

102.0050, 15.7735, -19.2984

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 102.4840, 42.6524, -53.9215 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(41, 117, 189)` looks like.

```
.text, #text, p{  
    color:rgb(41, 117, 189)  
}
```

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(41, 117, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 117, 189) }
```

## Border

The CSS property to change the border of an element to YUV 102.4840, 42.6524, -53.9215 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(41, 117, 189) }
```



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

```
.border{ border-color:rgb(41, 117, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 117, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 117, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 117, 189);  
box-shadow:4px 4px 4px 4px rgb(41, 117,  
189) }
```

# Background

The CSS property to change the background color of an element to YUV 102.4840, 42.6524, -53.9215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 117, 189) }
```

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

```
.background{ background-color: rgb(41, 117,  
189) }
```

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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