

# Converting Colors

YUV(90.9470, 23.6901,  
-38.5415)

Have a look what the booklet for  
YUV(90.9470, 23.6901, -38.5415)  
contains.

<b>YUV(90.9470, 23.6901, -38.5415)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	28
<i><b>CSS Examples</b></i>	31

# Color

**YUV(90.9470, 23.6901,  
-38.5415)**

# Conversions

Conversions Part 1	
Format	Color
Hex	2F688B
RGB	47, 104, 139
RGB Percent	18%, 41%, 55%
CMY	0.8157, 0.5922, 0.4549
CMYK	0.66, 0.25, 0.00, 0.45
HSL	203°, 49%, 36%
HSV	203°, 66%, 55%
XYZ	10.7828, 12.3690, 26.2452
YIQ	90.9470, -45.2070, -1.1990

# Conversions

## Conversions Part 2

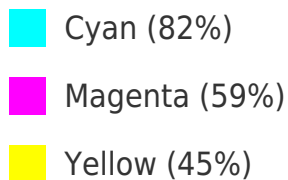
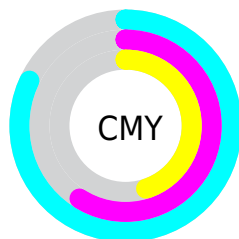
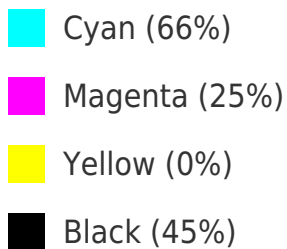
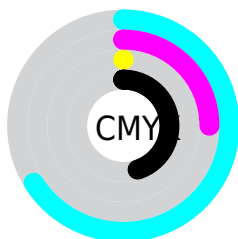
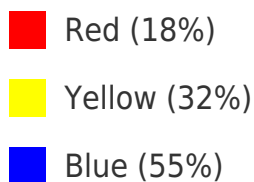
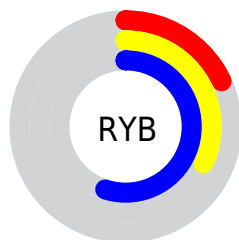
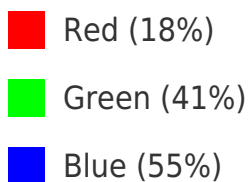
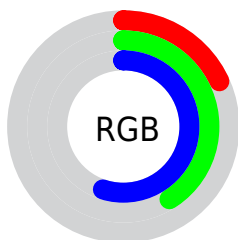
Format	Color
<a href="#">RYB</a>	<a href="#">47, 82, 139</a>
Decimal	<a href="#">3106955</a>
CIELab	<a href="#">41.80, -7.08, -24.82</a>
CIELCh	<a href="#">42, 25.808, 254.087</a>
Yxy	<a href="#">12.3690, 0.2183, 0.2504</a>
Android (android.graphics.Color)	<a href="#">4281297035</a> (0xFF2F688B)
YUV	<a href="#">90.9470, 23.6901, -38.5415</a>
Hunter-Lab	<a href="#">35.1697, -6.8199, -19.6262</a>

# Details

The YUV color `90.9470, 23.6901, -38.5415` is a dark color, and the websafe version is hex `006699`. A complement of this color would be `95.0530, -23.6901, 38.5415`, and the grayscale version is `91.0000, 0.0000, 0.0000`.

A 20% lighter version of the original color is `143.7840, 24.2635, -35.7676`, and `43.6050, 22.3797, -38.2416` is the 20% darker color. If you saturate the color by 10%, you get `83.8260, 27.2008, -44.5744`, and if you desaturate by 10%, it is `98.0680, 20.1795, -32.5086`.

# Distribution




# Brightness & Saturation


## Gradients


These gradients show how the YUV color 90.9470, 23.6901, -38.5415 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 90.9470, 23.6901, -38.5415 by changing the saturation by 10% instead.





 90.9470, 23.6901,  
-38.5415


 90.9470, 23.6901,  
-38.5415


 255.0000, 0.0000,  
0.0000


 62.5330, 24.8802,  
-46.9484


 143.7840, 24.2635,  
-35.7676


 43.6050, 22.3797,  
-38.2416


 170.8980, 24.7003,  
-35.8675

 28.5420, 17.9738,  
-25.0313

 198.3110, 24.9897,  
-35.3527


 13.1200, 14.7308,  
-11.5062

 224.3900, 15.0907,  
-33.6680

 3.0950, 9.3202,  
-2.7143

 243.0400, 5.8963,  
-24.5911

 0.0000, 0.0000,  
0.0000

 251.7110, 1.6215,

-6.7625

■ 90.9470, 23.6901,  
-38.5415

■ 90.9470, 23.6901,  
-38.5415

■ 83.8260, 27.2008,  
-44.5744

■ 98.0680, 20.1795,  
-32.5086

■ 76.1180, 31.0008,  
-50.0925

■ 105.7760, 16.3794,  
-26.9906

■ 68.9970, 34.5115,  
-56.1254

■ 112.8970, 12.8688,  
-20.9577

■ 66.3280, 35.8273,  
-58.1697

■ 120.0180, 9.3581,  
-14.9248

■ 127.1390, 5.8475,  
-8.8919

■ 134.5480, 2.1948,  
-3.9886

■ 141.6690, -1.3158,  
2.0443

■ 148.7900, -4.8265,  
8.0772

■ 156.4980, -8.6265,  
13.5953

# Harmonies

## Analogous

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



79.3690, 23.4821, -65.2216



90.9470, 23.6901, -38.5415



98.0150, 20.6986, -12.2912

# Triad

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



90.9470, 23.6901, -38.5415



100.1400, -5.4920, 34.9572



93.4810, -13.0551, -12.6998

# Complementary

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



90.9470, 23.6901, -38.5415



95.0530, -23.6901, 38.5415

# 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.



96.5820, -19.5139, 5.6286



90.9470, 23.6901, -38.5415



99.1260, -14.3591, 32.3385

# Square

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



90.9470, 23.6901, -38.5415



101.1420, 4.8600, 27.9395



97.6810, -19.5627, 21.3278



89.3350, -1.6442, -32.7428



# Rectangle

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



90.9470, 23.6901, -38.5415



100.6750, 16.4292, 3.7930



97.6810, -19.5627, 21.3278



94.2430, -15.4028, -6.3521

# Sweetspot

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



90.9470, 23.6901, -38.5415



162.0180, 9.3581, -14.9248



104.8800, -11.7728, -50.7608



80.1390, 5.8475, -8.8919



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.



90.9470, 23.6901, -38.5415



106.5450, 36.7063, -60.1140



64.5320, 36.7127, -15.3756



65.1460, 1.9000, -2.7590



63.2960, 34.3641, -55.5106



2.3310, 1.3158, -2.0443



# Inverse Universe

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



81.0060, 11.3360, 50.8607



90.9030, 17.7958, 79.0151



121.4680, -36.7127, 15.3756



64.5490, 0.7153, 3.9035



49.1150, 16.2123, 73.5671



1.8370, 0.5734, 2.7740



# Previews

## White Background



This preview shows how the YUV color 90.9470, 23.6901, -38.5415 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

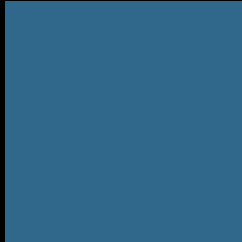
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 90.9470, 23.6901, -38.5415 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 90.9470, 23.6901, -38.5415

## Background



This preview shows how black text looks on a background with the YUV color 90.9470, 23.6901, -38.5415.



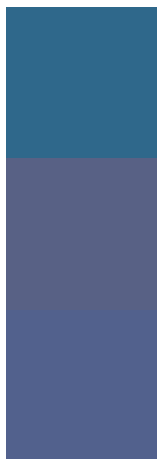
This preview shows how white text looks on a background with the YUV color 90.9470, 23.6901, -38.5415.



# 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

90.9470, 23.6901, -38.5415

### Protanopia

98.4130, 17.0514, -9.1322

### Deuteranopia

97.5310, 21.4302, -13.6207



## Tritanopia

86.9000, 14.8393, -46.3933

# Trichromacy



## Original Color

90.9470, 23.6901, -38.5415

## Protanomaly

95.9170, 19.2679, -20.0982

## Deuteranomaly

95.2910, 22.0415, -23.0572

## Tritanomaly

88.7200, 17.8860, -43.6044

# Monochromacy



## Original Color

90.9470, 23.6901, -38.5415

## Achromatopsia

91.0000, 0.0000, 0.0000

## Achromatomaly

91.0890, 8.3371, -14.1101

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 90.9470, 23.6901, -38.5415 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(47, 104, 139)` looks like.

```
.text, #text, p{  
    color:rgb(47, 104, 139)  
}
```

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(47, 104, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 104, 139) }
```

## Border

The CSS property to change the border of an element to YUV 90.9470, 23.6901, -38.5415 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(47, 104, 139) }
```



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

```
.border{ border-color:rgb(47, 104, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 104, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 104, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 104, 139);  
box-shadow:4px 4px 4px 4px rgb(47, 104,  
139) }
```

# Background

The CSS property to change the background color of an element to YUV 90.9470, 23.6901, -38.5415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 104, 139) }
```

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

```
.background{ background-color: rgb(47, 104,  
139) }
```

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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