

# Converting Colors

YUV(86.3740, 12.6336,  
-38.9160)

Have a look what the booklet for  
YUV(86.3740, 12.6336, -38.9160)  
contains.

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# Color

**YUV(86.3740, 12.6336,  
-38.9160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A6870
RGB	42, 104, 112
RGB Percent	16%, 41%, 44%
CMY	0.8353, 0.5922, 0.5608
CMYK	0.63, 0.07, 0.00, 0.56
HSL	187°, 45%, 30%
HSV	187°, 63%, 44%
XYZ	8.8298, 11.5627, 17.0957
YIQ	86.3740, -39.5200, -10.6560

# Conversions

## Conversions Part 2

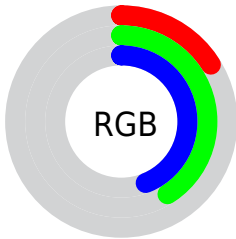
<b>Format</b>	<b>Color</b>
<b>RYB</b>	42, 75, 112
Decimal	2779248
CIELab	40.51, -17.14, -10.46
CIElCh	41, 20.078, 211.400
Yxy	11.5627, 0.2355, 0.3084
Android (android.graphics.Color)	4280969328 (0xFF2A6870)
YUV	86.3740, 12.6336, -38.9160
Hunter-Lab	34.0040, -13.1561, -6.0055

# Details

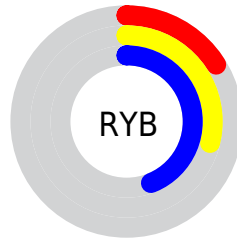
The YUV color **86.3740, 12.6336, -38.9160** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **67.6260, -12.6336, 38.9160**, and the grayscale version is **86.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **138.3850, 12.6282, -37.1716**, and **40.7550, 11.4598, -35.7421** is the 20% darker color. If you saturate the color by 10%, you get **82.4980, 14.5445, -45.1637**, and if you desaturate by 10%, it is **90.2500, 10.7227, -32.6683**.

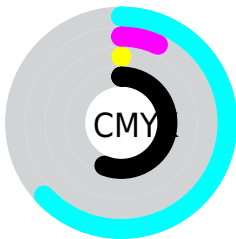
# Distribution



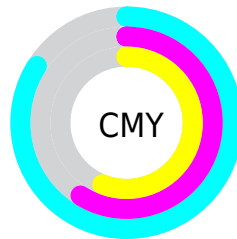
- Red (16%)
- Green (41%)
- Blue (44%)



- Red (16%)
- Yellow (29%)
- Blue (44%)



- Cyan (63%)
- Magenta (7%)
- Yellow (0%)
- Black (56%)



- Cyan (84%)
- Magenta (59%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 86.3740, 12.6336, -38.9160 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 86.3740, 12.6336, -38.9160 by changing the saturation by 10% instead.



86.3740, 12.6336,  
-38.9160

86.3740, 12.6336,  
-38.9160

255.0000, 0.0000,  
0.0000

59.0850, 14.2551,  
-45.6785

138.3850, 12.6282,  
-37.1716

40.7550, 11.4598,  
-35.7421

165.0860, 12.7756,  
-37.7864

25.3330, 8.2168,  
-22.2170

193.0860, 12.7756,  
-37.7864

5.4430, 8.1626,  
-4.7735

220.7870, 12.9230,  
-38.4012

0.0000, 0.0000,  
0.0000

240.3490, 7.2229,  
-30.1241

248.7210, 3.0955,

-12.9103

■ 86.3740, 12.6336,  
-38.9160

■ 86.3740, 12.6336,  
-38.9160

■ 82.4980, 14.5445,  
-45.1637

■ 90.2500, 10.7227,  
-32.6683

■ 78.0350, 16.7447,  
-50.8967

■ 94.7130, 8.5225,  
-26.9353

■ 73.8600, 18.8030,  
-57.7592

■ 98.8880, 6.4642,  
-20.0728

■ 70.8810, 20.2717,  
-62.1626

■ 102.7640, 4.5533,  
-13.8250

■ 106.6400, 2.6425,  
-7.5773

■ 111.1030, 0.4422,  
-1.8443

■ 114.9790, -1.4686,  
4.4034

■ 119.1540, -3.5269,  
11.2659

■ 123.6170, -5.7272,  
16.9989

# Harmonies

## Analogous

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



87.8280, 4.0288, -32.2982



86.3740, 12.6336, -38.9160



88.9710, 17.2693, -32.4236

# Triad

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



86.3740, 12.6336, -38.9160



98.1190, 6.3503, 16.5586



94.6410, -15.5990, 9.9618

# Complementary

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



86.3740, 12.6336, -38.9160



67.6260, -12.6336, 38.9160

# 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.



95.7610, -14.1792, 21.2576



86.3740, 12.6336, -38.9160



97.5240, -1.2443, 25.8505

# Square

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



86.3740, 12.6336, -38.9160



97.0400, 12.7983, 1.7189



97.1730, -8.9593, 27.0353



92.9490, -12.7929, -3.4633



# Rectangle

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



86.3740, 12.6336, -38.9160



92.1510, 17.6736, -22.0574



97.1730, -8.9593, 27.0353



94.9620, -15.7573, 14.0653

# Sweetspot

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



86.3740, 12.6336, -38.9160



135.1660, 4.8482, -15.0546



83.8880, -17.1998, -36.7358



67.7430, 3.0847, -9.4216



201.0000, 0.0000, 0.0000



74.0000, 0.0000, 0.0000



# Same Dimension

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



86.3740, 12.6336, -38.9160



105.3650, 19.5401, -60.8331



66.4160, 22.4729, -21.4128



53.6190, 1.1738, -3.1739



75.9020, 21.7403, -66.5661



156.7110, 44.5125, -137.4355



# Inverse Universe

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



69.9980, 16.7630, 36.8358



79.6490, 26.3020, 57.3128



87.5840, -22.4729, 21.4128



52.3640, 1.2995, 3.1888



47.9640, 28.6117, 63.1756

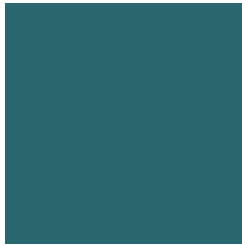


98.8190, 59.2492, 129.9547



# Previews

## White Background



This preview shows how the YUV color 86.3740, 12.6336, -38.9160 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 86.3740, 12.6336, -38.9160 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

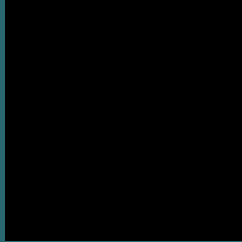
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 86.3740, 12.6336, -38.9160

## Background



This preview shows how black text looks on a background with the YUV color 86.3740, 12.6336, -38.9160.



This preview shows how white text looks on a background with the YUV color 86.3740, 12.6336,

-38.9160.

# 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

86.3740, 12.6336, -38.9160

### Protanopia

95.3680, 5.2416, -1.1997

### Deuteranopia

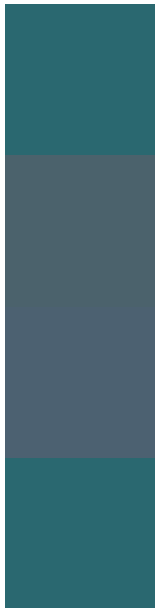
95.9920, 8.8779, -0.8700



## Tritanopia

86.3740, 12.6336, -38.9160

# Trichromacy



## Original Color

86.3740, 12.6336, -38.9160

## Protanomaly

92.2630, 7.7583, -15.1397

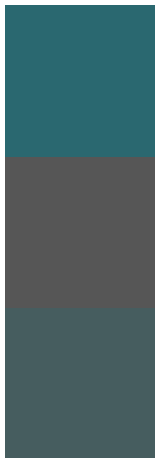
## Deuteranomaly

92.5450, 10.0843, -14.5100

## Tritanomaly

86.3740, 12.6336, -38.9160

# Monochromacy



## Original Color

86.3740, 12.6336, -38.9160

## Achromatopsia

86.0000, 0.0000, 0.0000

## Achromatomaly

86.3510, 4.2640, -14.3398

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 86.3740, 12.6336, -38.9160 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(42, 104, 112)` looks like.

```
.text, #text, p{  
    color:rgb(42, 104, 112)  
}
```

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(42, 104, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 104, 112) }
```

## Border

The CSS property to change the border of an element to YUV 86.3740, 12.6336, -38.9160 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(42, 104, 112) }
```



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

```
.border{ border-color:rgb(42, 104, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 104, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 104, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 104, 112);  
box-shadow:4px 4px 4px 4px rgb(42, 104,  
112) }
```

# Background

The CSS property to change the background color of an element to YUV 86.3740, 12.6336, -38.9160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 104, 112) }
```

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

```
.background{ background-color: rgb(42, 104,  
112) }
```

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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