

Converting Colors

YUV(86.7870, 16.3740,
-25.2462)

Have a look what the booklet for
YUV(86.7870, 16.3740, -25.2462)
contains.

YUV(86.7870, 16.3740, -25.2462)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(86.7870, 16.3740,
-25.2462)**

Conversions

Conversions Part 1

Format	Color
Hex	3A5F78
RGB	58, 95, 120
RGB Percent	23%, 37%, 47%
CMY	0.7725, 0.6275, 0.5294
CMYK	0.52, 0.21, 0.00, 0.53
HSL	204°, 35%, 35%
HSV	204°, 52%, 47%
XYZ	9.2273, 10.4400, 19.2981
YIQ	86.7870, -30.0770, -0.0690

Conversions

Conversions Part 2

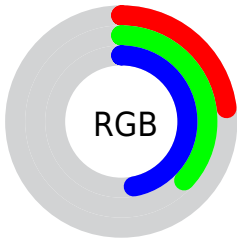
Format	Color
R _Y B	58, 81, 120
Decimal	3825528
CIE Lab	38.62, -5.64, -18.17
CIE LCh	39, 19.024, 252.768
Yxy	10.4400, 0.2368, 0.2679
Android (android.graphics.Color)	4282015608 (0xFF3A5F78)
YUV	86.7870, 16.3740, -25.2462
Hunter-Lab	32.3110, -5.5687, -12.7938

Details

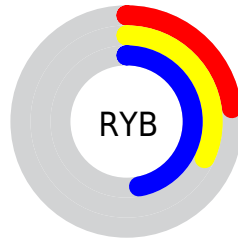
The YUV color **86.7870, 16.3740, -25.2462** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **91.2130, -16.3740, 25.2462**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **137.3140, 17.1002, -24.8314**, and **36.8570, 16.8325, -32.3236** is the 20% darker color. If you saturate the color by 10%, you get **80.2640, 19.5898, -30.0495**, and if you desaturate by 10%, it is **93.3100, 13.1582, -20.4429**.

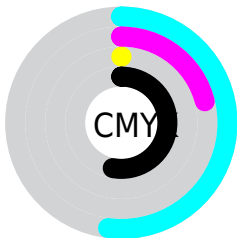
Distribution



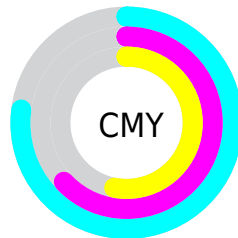
- Red (23%)
- Green (37%)
- Blue (47%)



- Red (23%)
- Yellow (32%)
- Blue (47%)



- Cyan (52%)
- Magenta (21%)
- Yellow (0%)
- Black (53%)



- Cyan (77%)
- Magenta (63%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the YUV color 86.7870, 16.3740, -25.2462 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 86.7870, 16.3740, -25.2462 by changing the saturation by 10% instead.

■ 86.7870, 16.3740,
-25.2462

■ 86.7870, 16.3740,
-25.2462

■ 255.0000, 0.0000,
0.0000

■ 62.0750, 16.2320,
-26.3758

■ 137.3140, 17.1002,
-24.8314

■ 36.8570, 16.8325,
-32.3236

■ 164.4280, 17.5370,
-24.9314

■ 22.0220, 13.3002,
-19.3133

■ 191.5420, 17.9738,
-25.0313

■ 4.3660, 11.6516,
-3.8290

■ 219.1290, 17.6844,
-25.5461

■ 0.0000, 0.0000,
0.0000

■ 244.2360, 5.3067,
-22.1320

■ 252.9070, 1.0318,

-4.3034

■ 86.7870, 16.3740,
-25.2462

■ 86.7870, 16.3740,
-25.2462

■ 80.2640, 19.5898,
-30.0495

■ 93.3100, 13.1582,
-20.4429

■ 73.7410, 22.8057,
-34.8529

■ 99.8330, 9.9423,
-15.6395

■ 67.2180, 26.0215,
-39.6562

■ 106.3560, 6.7265,
-10.8362

■ 61.2820, 28.9480,
-44.9743

■ 112.2920, 3.8000,
-5.5181

■ 55.9440, 31.5796,
-49.0629

■ 118.8150, 0.5842,
-0.7148

■ 125.3380, -2.6316,
4.0886

■ 131.8610, -5.8475,
8.8919

■ 138.3840, -9.0633,
13.6952

■ 144.9070,
-12.2792, 18.4986

Harmonies

Analogous

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



83.0370, 13.7858, -35.1124



86.7870, 16.3740, -25.2462



90.8430, 14.8674, -8.6323

Triad

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



86.7870, 16.3740, -25.2462



93.1280, -4.0071, 25.3207



87.4260, -9.5770, -8.2666

Complementary

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



86.7870, 16.3740, -25.2462



91.2130, -16.3740, 25.2462

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.



89.3630, -13.9830, 4.9436



86.7870, 16.3740, -25.2462



91.8090, -10.2588, 23.8465

Square

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



86.7870, 16.3740, -25.2462



93.6310, 3.1399, 19.6176



91.0270, -14.3103, 16.6393



85.2870, -2.1135, -22.1767

Rectangle

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



86.7870, 16.3740, -25.2462



92.2250, 12.2141, 2.4337



91.0270, -14.3103, 16.6393



88.2910, -11.4825, -3.7632

Sweetspot

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



86.7870, 16.3740, -25.2462



142.6550, 6.5791, -10.2214



97.2440, -7.0223, -34.4170



70.9930, 3.9475, -6.1329



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000

Same Dimension

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



86.7870, 16.3740, -25.2462



104.1040, 25.5847, -39.5562



68.5900, 25.3451, -9.2874



58.0320, 1.4632, -2.6591



58.2750, 32.8954, -51.1072



117.3650, 66.3751, -102.9291

Inverse Universe

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



80.7560, 7.0223, 34.4170



94.6150, 11.0358, 53.8346



109.4100, -25.3451, 9.2874



57.2500, 0.8628, 3.2887



45.9250, 14.3340, 69.3488



92.5620, 28.8099, 139.8271

Previews

White Background



This preview shows how the YUV color 86.7870, 16.3740, -25.2462 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 86.7870, 16.3740, -25.2462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

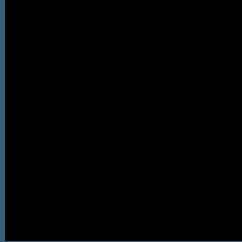
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 86.7870, 16.3740, -25.2462

Background



This preview shows how black text looks on a background with the YUV color 86.7870, 16.3740, -25.2462.



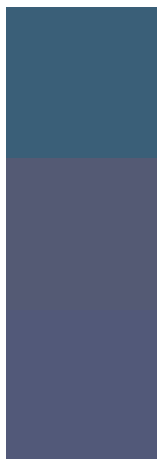
This preview shows how white text looks on a background with the YUV color 86.7870, 16.3740,

-25.2462.

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

86.7870, 16.3740, -25.2462

Protanopia

91.1700, 12.2412, -6.2881

Deuteranopia

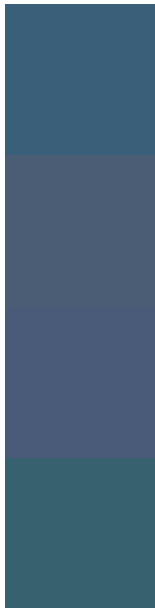
90.5550, 15.0094, -7.5027



Tritanopia

85.3430, 9.6909, -28.3648

Trichromacy



Original Color

86.7870, 16.3740, -25.2462

Protanomaly

89.7670, 13.4259, -12.9507

Deuteranomaly

89.0380, 15.7573, -14.0653

Tritanomaly

85.9240, 11.8695, -27.1203

Monochromacy



Original Color

86.7870, 16.3740, -25.2462

Achromatopsia

87.0000, 0.0000, 0.0000

Achromatomaly

86.8400, 5.9949, -9.5067

CSS Examples

Text

The CSS property to change the color of the text to YUV 86.7870, 16.3740, -25.2462 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(58, 95, 120)` looks like.

```
.text, #text, p{  
    color:rgb(58, 95, 120)  
}
```

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(58, 95, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 95, 120) }
```

Border

The CSS property to change the border of an element to YUV 86.7870, 16.3740, -25.2462 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(58, 95, 120) }
```


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

```
.border{ border-color:rgb(58, 95, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 95, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 95, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 95, 120);  
box-shadow:4px 4px 4px 4px rgb(58, 95,  
120) }
```

Background

The CSS property to change the background color of an element to YUV 86.7870, 16.3740, -25.2462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 95, 120) }
```

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

```
.background{ background-color: rgb(58, 95,  
120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor