

# Converting Colors

YUV(86.7260, 32.6731, 20.4113)

Have a look what the booklet for  
YUV(86.7260, 32.6731, 20.4113)  
contains.

<b>YUV(86.7260, 32.6731, 20.4113)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(86.7260, 32.6731,  
20.4113)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6E3E99
RGB	110, 62, 153
RGB Percent	43%, 24%, 60%
CMY	0.5686, 0.7569, 0.4000
CMYK	0.28, 0.59, 0.00, 0.40
HSL	272°, 42%, 42%
HSV	272°, 59%, 60%
XYZ	13.9028, 9.0602, 31.1530
YIQ	86.7260, -0.6030, 38.4770

# Conversions

## Conversions Part 2

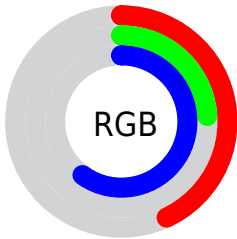
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	110, 62, 153
Decimal	7224985
CIE <sub>Lab</sub>	36.10, 38.88, -41.96
CIE <sub>LCh</sub>	36, 57.203, 312.816
Yxy	9.0602, 0.2569, 0.1674
Android (android.graphics.Color)	4285415065 (0xFF6E3E99)
YUV	86.7260, 32.6731, 20.4113
Hunter-Lab	30.1001, 29.7714, -40.2940

# Details

The YUV color **86.7260, 32.6731, 20.4113** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **128.2740, -32.6731, -20.4113**, and the grayscale version is **86.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **138.4920, 34.2674, 22.3705**, and **36.4870, 31.8049, 18.8669** is the 20% darker color. If you saturate the color by 10%, you get **75.8280, 38.0458, 23.8298**, and if you desaturate by 10%, it is **97.6240, 27.3004, 16.9928**.

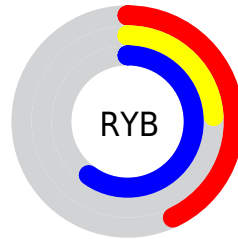
# Distribution



Red (43%)

Green (24%)

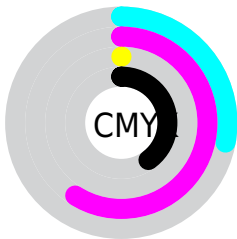
Blue (60%)



Red (43%)

Yellow (24%)

Blue (60%)

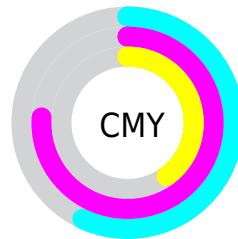


Cyan (28%)

Magenta (59%)

Yellow (0%)

Black (40%)



Cyan (57%)

Magenta (76%)

Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 86.7260, 32.6731, 20.4113 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 86.7260, 32.6731, 20.4113 by changing the saturation by 10% instead.



86.7260, 32.6731,  
20.4113

86.7260, 32.6731,  
20.4113

255.0000, 0.0000,  
0.0000

61.9000, 32.0943,  
19.3817

138.4920, 34.2674,  
22.3705

36.4870, 31.8049,  
18.8669

165.3180, 34.8462,  
23.4001

18.3460, 28.9164,  
11.9746

192.0040, 31.0570,  
25.4295

6.6400, 22.8555,  
-4.0693

216.5240, 18.9687,  
29.3585

4.7080, 12.9620,  
-4.1289

234.4550, 10.1287,  
18.0180

0.2280, 0.8736,  
-0.2000

251.4780, 1.7363,

0.0000, 0.0000,

3.0888

0.0000

■ 86.7260, 32.6731,  
20.4113

■ 86.7260, 32.6731,  
20.4113

■ 75.8280, 38.0458,  
23.8298

■ 97.6240, 27.3004,  
16.9928

■ 64.3430, 43.7079,  
27.7632

■ 109.1090, 21.6383,  
13.0594

■ 53.1460, 49.2280,  
30.5670

■ 120.3060, 16.1181,  
10.2556

■ 42.2480, 54.6007,  
33.9855

■ 131.2040, 10.7454,  
6.8371

■ 41.6610, 54.8901,  
34.5003

■ 142.6890, 5.0833,  
2.9037

■ 153.5870, -0.2894,  
-0.5148

■ 164.7840, -5.8095,  
-3.3186

■ 175.6820,  
-11.1822, -6.7371

■ 187.1670,  
-16.8443, -10.6705

# Harmonies

## Analogous

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



69.2580, 52.1308, -60.7393



86.7260, 32.6731, 20.4113



78.8750, 16.8236, 64.1306

# Triad

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



86.7260, 32.6731, 20.4113



80.2260, -39.5514, 39.2668



73.4910, 15.0409, -64.4516

# Complementary

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



86.7260, 32.6731, 20.4113



128.2740, -32.6731, -20.4113

# 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.



66.8450, -5.3466, -58.6231



86.7260, 32.6731, 20.4113



77.9570, -38.4328, 7.0537

# Square

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



86.7260, 32.6731, 20.4113



77.1320, -26.6871, 66.5362



65.5990, -32.3403, -33.8513



77.8060, 34.1126, -68.2359



# Rectangle

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



86.7260, 32.6731, 20.4113



72.2870, 5.2815, 79.5553



65.5990, -32.3403, -33.8513



71.6670, 8.0522, -62.8520

# Sweetspot

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



86.7260, 32.6731, 20.4113



172.7850, 12.9240, 8.0816



98.2020, 27.0154, -31.7492



83.6830, 7.5513, 4.6630



227.0000, 0.0000, 0.0000



99.0000, 0.0000, 0.0000



# Same Dimension

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



86.7260, 32.6731, 20.4113



96.2000, 50.6804, 31.3966



99.3550, 25.4610, 47.0467



71.1080, 2.9048, 1.6593



38.0860, 50.2436, 31.4966



3.5750, 4.6465, 3.0037



# Inverse Universe

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



94.1110, 5.3683, 51.6457



107.6830, 8.0443, 80.0850



115.6450, -25.4610, -47.0467



71.7340, 0.1311, 4.6183



49.3840, 8.1917, 79.4702



4.5710, 0.7045, 7.3922



# Previews

## White Background



This preview shows how the YUV color 86.7260, 32.6731, 20.4113 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 86.7260, 32.6731, 20.4113 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

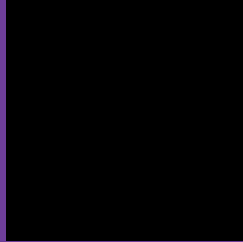
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 86.7260, 32.6731, 20.4113

## Background



This preview shows how black text looks on a background with the YUV color 86.7260, 32.6731, 20.4113.



This preview shows how white text looks on a background with the YUV color 86.7260, 32.6731,



# 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

86.7260, 32.6731, 20.4113

### Protanopia

71.5580, 50.5039, -52.2324

### Deuteranopia

77.8190, 34.5992, -37.5523



## Tritanopia

86.1800, 0.4043, 10.3661

# Trichromacy



## Original Color

86.7260, 32.6731, 20.4113

## Protanomaly

77.3010, 43.7286, -25.6970

## Deuteranomaly

80.8370, 34.0974, -16.5200

## Tritanomaly

86.0030, 12.3235, 14.0294

# Monochromacy



## Original Color

86.7260, 32.6731, 20.4113

## Achromatopsia

87.0000, 0.0000, 0.0000

## Achromatomaly

86.8450, 11.9084, 7.1519

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 86.7260, 32.6731, 20.4113 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(110, 62, 153)` looks like.

```
.text, #text, p{  
    color:rgb(110, 62, 153)  
}
```

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(110, 62, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 62, 153) }
```

## Border

The CSS property to change the border of an element to YUV 86.7260, 32.6731, 20.4113 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(110, 62, 153) }
```



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

```
.border{ border-color:rgb(110, 62, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 62, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 62, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 62, 153);  
box-shadow:4px 4px 4px 4px rgb(110, 62,  
153) }
```

# Background

The CSS property to change the background color of an element to YUV 86.7260, 32.6731, 20.4113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 62, 153) }
```

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

```
.background{ background-color: rgb(110, 62,  
153) }
```

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