

# Converting Colors

YUV(40.0890, 22.1411, 38.5099)

Have a look what the booklet for  
YUV(40.0890, 22.1411, 38.5099)  
contains.

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# Color

**YUV(40.0890, 22.1411,  
38.5099)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	540955
RGB	84, 9, 85
RGB Percent	33%, 4%, 33%
CMY	0.6706, 0.9647, 0.6667
CMYK	0.01, 0.89, 0.00, 0.67
HSL	299°, 81%, 18%
HSV	299°, 89%, 33%
XYZ	5.3935, 2.7361, 8.8382
YIQ	40.0890, 20.3040, 39.5360

# Conversions

## Conversions Part 2

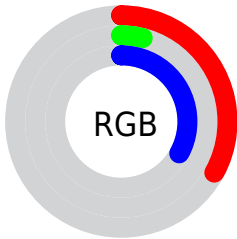
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">84, 9, 85</a>
Decimal	<a href="#">5507413</a>
CIELab	<a href="#">18.95, 41.47, -26.33</a>
CIElCh	<a href="#">19, 49.126, 327.590</a>
Yxy	<a href="#">2.7361, 0.3179, 0.1613</a>
Android (android.graphics.Color)	<a href="#">4283697493 (0xFF540955)</a>
YUV	<a href="#">40.0890, 22.1411, 38.5099</a>
Hunter-Lab	<a href="#">16.5411, 29.2565, -20.1009</a>




# Details

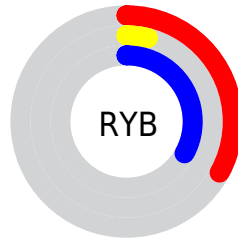
The YUV color **40.0890, 22.1411, 38.5099** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **53.9110, -22.1411, -38.5099**, and the grayscale version is **40.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **93.6220, 20.3994, 37.1655**, and **15.9220, 11.8705, 19.3624** is the 20% darker color. If you saturate the color by 10%, you get **34.8060, 24.7456, 43.1431**, and if you desaturate by 10%, it is **44.7850, 19.8260, 34.3916**.

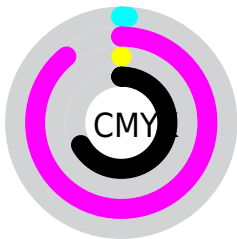
# Distribution







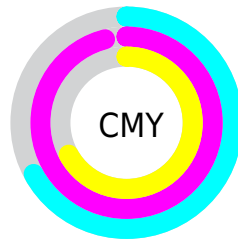
-  Red (33%)
-  Green (4%)
-  Blue (33%)






-  Red (33%)
-  Yellow (4%)
-  Blue (33%)



-  Cyan (1%)
-  Magenta (89%)
-  Yellow (0%)
-  Black (67%)



-  Cyan (67%)
-  Magenta (96%)
-  Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 40.0890, 22.1411, 38.5099 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 40.0890, 22.1411, 38.5099 by changing the saturation by 10% instead.



40.0890, 22.1411,  
38.5099

40.0890, 22.1411,  
38.5099

253.8260, 0.5788,  
1.0296

24.5950, 17.9477,  
30.1732

93.6220, 20.3994,  
37.1655

15.9220, 11.8705,  
19.3624

119.7470, 20.8307,  
38.8099

2.4110, 6.6994,  
-2.1144

146.1600, 21.1201,  
39.3247


0.0000, 0.0000,  
0.0000


173.2850, 21.5515,  
40.9691


200.9970, 21.6935,  
42.0986


220.3670, 17.0741,


30.3731


 236.8030, 8.9711,  
15.9588


 40.0890, 22.1411,  
38.5099


 40.0890, 22.1411,  
38.5099

 34.8060, 24.7456,  
43.1431

 44.7850, 19.8260,  
34.3916

 50.0680, 17.2215,  
29.7584

 54.7640, 14.9063,  
25.6400

 60.0470, 12.3018,  
21.0068

 65.0420, 9.8393,  
17.5032

■ 70.3250, 7.2348,  
12.8700

■ 75.0210, 4.9196,  
8.7516

■ 80.3040, 2.3151,  
4.1184

■ 85.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



42.7340, 33.6551, -14.6757



40.0890, 22.1411, 38.5099



36.9100, 6.9464, 58.8379

# Triad

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



40.0890, 22.1411, 38.5099



43.7680, -21.5776, 14.2355



44.2260, 17.1436, -38.7862

# Complementary

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



40.0890, 22.1411, 38.5099



53.9110, -22.1411, -38.5099

# 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.



40.0080, 0.9821, -35.0870



40.0890, 22.1411, 38.5099



38.5860, -19.0229, -11.9149

# Square

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



40.0890, 22.1411, 38.5099



41.2750, -20.3486, 40.1008



34.0460, -16.7847, -29.8583



46.8310, 29.6633, -41.0708



# Rectangle

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



40.0890, 22.1411, 38.5099



34.4730, -3.6842, 61.8522



34.0460, -16.7847, -29.8583



42.8580, 11.9020, -37.5865

# Sweetspot

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



40.0890, 22.1411, 38.5099



92.0910, 8.8291, 14.8292



18.2510, 32.9073, -8.1131



45.4340, 5.2090, 9.2664



184.0000, 0.0000, 0.0000



56.0000, 0.0000, 0.0000



# Same Dimension

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



40.0890, 22.1411, 38.5099



44.8320, 32.1278, 55.3983



36.1700, 5.8322, 42.8239



40.6520, 1.1576, 2.0592



43.8920, 31.1122, 54.4687



96.1580, 68.4491, 119.1334



# Inverse Universe

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



31.8380, -10.7661, 46.6231



33.0040, -15.7780, 67.5255



57.8300, -5.8322, -42.8239



40.1960, -0.5896, 2.4591



32.1070, -15.3358, 65.6812

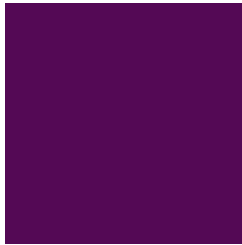


70.6070, -33.3303, 144.1727



# Previews

## White Background



This preview shows how the YUV color 40.0890, 22.1411, 38.5099 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

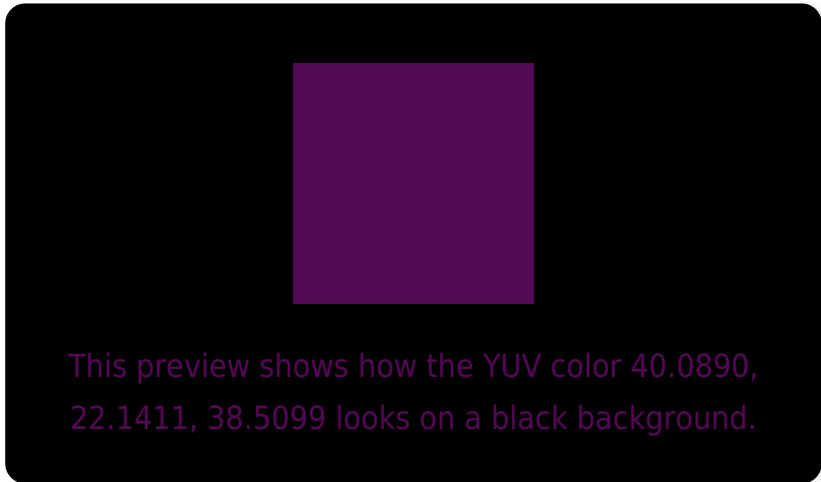
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

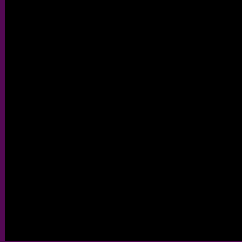
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 40.0890, 22.1411, 38.5099

## Background



This preview shows how black text looks on a background with the YUV color 40.0890, 22.1411, 38.5099.



This preview shows how white text looks on a background with the YUV color 40.0890, 22.1411,



# 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

40.0890, 22.1411, 38.5099

### Protanopia

38.8750, 29.6416, -34.0934

### Deuteranopia

46.5540, 16.4889, -15.3949



## Tritanopia

47.6830, -5.7597, 27.4650

# Trichromacy



## Original Color

40.0890, 22.1411, 38.5099

## Protanomaly

39.3560, 26.9395, -7.3282

## Deuteranomaly

43.9570, 18.7552, 4.4227

## Tritanomaly

45.0500, 4.4124, 31.5282

# Monochromacy



## Original Color

40.0890, 22.1411, 38.5099

## Achromatopsia

40.0000, 0.0000, 0.0000

## Achromatomaly

40.1510, 7.8136, 13.8996

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 40.0890, 22.1411, 38.5099 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(84, 9, 85)` looks like.

```
.text, #text, p{  
    color:rgb(84, 9, 85)  
}
```

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(84, 9, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 9, 85) }
```

## Border

The CSS property to change the border of an element to YUV 40.0890, 22.1411, 38.5099 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(84, 9, 85) }
```



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

```
.border{ border-color:rgb(84, 9, 85) }
```

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

Here you see how a box with a 4 pixel rgb(84, 9, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 9, 85); -webkit-box-shadow:4px  
4px 4px 4px rgb(84, 9, 85); box-shadow:4px  
4px 4px 4px rgb(84, 9, 85) }
```

# Background

The CSS property to change the background color of an element to YUV 40.0890, 22.1411, 38.5099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 9, 85) }
```

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

```
.background{ background-color: rgb(84, 9,  
85) }
```

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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