

# Converting Colors

YUV(39.9390, 29.6101, 22.8555)

Have a look what the booklet for  
YUV(39.9390, 29.6101, 22.8555)  
contains.

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# Color

**YUV(39.9390, 29.6101,  
22.8555)**

# Conversions

Conversions Part 1	
Format	Color
Hex	420F64
RGB	66, 15, 100
RGB Percent	26%, 6%, 39%
CMY	0.7412, 0.9412, 0.6078
CMYK	0.34, 0.85, 0.00, 0.61
HSL	276°, 74%, 23%
HSV	276°, 85%, 39%
XYZ	4.7178, 2.4200, 12.2750
YIQ	39.9390, 3.1110, 37.2470

# Conversions

## Conversions Part 2

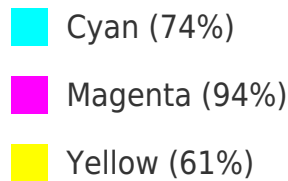
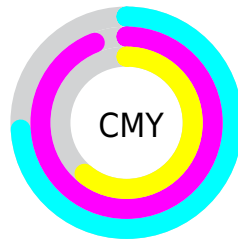
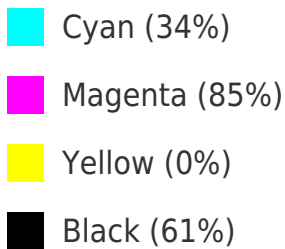
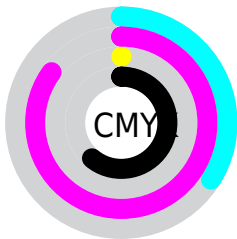
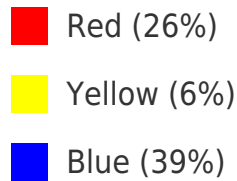
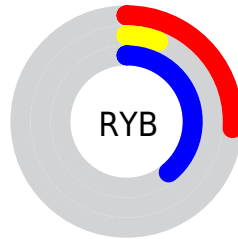
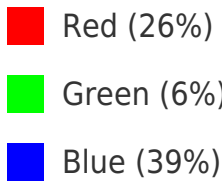
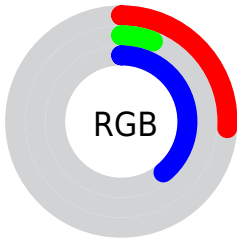
Format	Color
<a href="#">RYB</a>	<a href="#">66, 15, 100</a>
Decimal	<a href="#">4329316</a>
CIELab	<a href="#">17.55, 39.13, -38.77</a>
CIELCh	<a href="#">18, 55.082, 315.267</a>
Yxy	<a href="#">2.4200, 0.2430, 0.1247</a>
Android (android.graphics.Color)	<a href="#">4282519396</a> (0xFF420F64)
YUV	<a href="#">39.9390, 29.6101, 22.8555</a>
Hunter-Lab	<a href="#">15.5563, 26.9109, -35.8945</a>

# Details

The YUV color **39.9390, 29.6101, 22.8555** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **75.0610, -29.6101, -22.8555**, and the grayscale version is **40.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **90.7650, 30.1889, 23.8851**, and **11.6090, 19.9128, 6.4819** is the 20% darker color. If you saturate the color by 10%, you get **32.8730, 33.0936, 25.5444**, and if you desaturate by 10%, it is **47.0050, 26.1265, 20.1666**.

# Distribution




# Brightness & Saturation


## Gradients

These gradients show how the YUV color 39.9390, 29.6101, 22.8555 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 39.9390, 29.6101, 22.8555 by changing the saturation by 10% instead.





 39.9390, 29.6101,  
22.8555


 39.9390, 29.6101,  
22.8555


 253.8260, 0.5788,  
1.0296


 20.9230, 27.1530,  
17.6075


 90.7650, 30.1889,  
23.8851


 11.6090, 19.9128,  
6.4819


 116.0040, 31.0570,  
25.4295

 4.5940, 12.5252,  
-4.0289

 142.4170, 31.3464,  
25.9443


 0.0000, 0.0000,  
0.0000


 169.3570, 32.3620,  
26.8739


 196.1570, 29.0096,  
28.8033


 220.3670, 17.0741,


30.3731


 236.8030, 8.9711,  
15.9588


 39.9390, 29.6101,  
22.8555


 39.9390, 29.6101,  
22.8555


 32.8730, 33.0936,  
25.5444


 47.0050, 26.1265,  
20.1666

 29.3400, 34.8354,  
26.8888

 54.0710, 22.6430,  
17.4777

 61.1370, 19.1595,  
14.7889

 68.2030, 15.6759,  
12.1000

 75.2690, 12.1924,  
9.4111

■ 82.3350, 8.7088,  
6.7222

■ 89.4010, 5.2253,  
4.0333

■ 96.4670, 1.7418,  
1.3444

■ 103.5330, -1.7418,  
-1.3444

# Harmonies

## Analogous

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



38.5620, 41.1349, -33.8189



39.9390, 29.6101, 22.8555



37.1960, 13.2144, 55.0791

# Triad

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



39.9390, 29.6101, 22.8555



40.8880, -20.1578, 25.5312



41.2280, 10.7336, -36.1570

# Complementary

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



39.9390, 29.6101, 22.8555



75.0610, -29.6101, -22.8555

# 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.



35.8530, -7.3225, -31.4431



39.9390, 29.6101, 22.8555



38.6410, -19.0500, -3.1932

# Square

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



39.9390, 29.6101, 22.8555



28.4050, -14.0037, 58.4038



31.6980, -15.6271, -27.7991



45.4460, 26.8951, -39.8561



# Rectangle

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



39.9390, 29.6101, 22.8555



36.3250, 0.8258, 61.9820



31.6980, -15.6271, -27.7991



39.6320, 4.6184, -34.7573

# Sweetspot

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



39.9390, 29.6101, 22.8555



106.1550, 11.7556, 9.5111



44.6480, 27.2885, -26.0013



51.8680, 6.9671, 5.3778



194.0000, 0.0000, 0.0000



66.0000, 0.0000, 0.0000



# Same Dimension

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



39.9390, 29.6101, 22.8555



38.1420, 45.2860, 34.9555



49.1930, 21.1039, 44.5577



47.4670, 1.7418, 1.3444



33.7410, 40.0607, 30.9221



70.9430, 84.3311, 64.9480



# Inverse Universe

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



44.2910, 2.3215, 48.8568



44.7980, 3.5506, 74.7222



65.8070, -21.1039, -44.5577



47.7230, 0.1366, 2.8739



39.6290, 3.1409, 66.1004

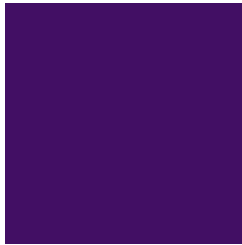


83.4160, 6.6969, 139.0782



# Previews

## White Background



This preview shows how the YUV color 39.9390, 29.6101, 22.8555 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 39.9390, 29.6101, 22.8555 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

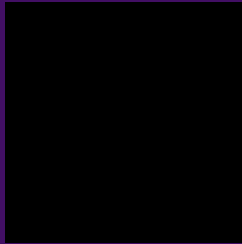
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 39.9390, 29.6101, 22.8555

## Background



This preview shows how black text looks on a background with the YUV color 39.9390, 29.6101, 22.8555.



This preview shows how white text looks on a background with the YUV color 39.9390, 29.6101,



# 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

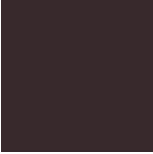
39.9390, 29.6101, 22.8555

### Protanopia

35.6150, 27.3048, -31.2344

### Deuteranopia

36.0080, 21.1951, -31.5790



## Tritanopia

45.8270, -0.9007, 8.9217

# Trichromacy



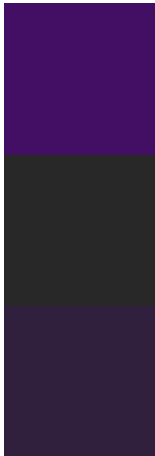
**Original Color**  
39.9390, 29.6101, 22.8555

**Protanomaly**  
37.2630, 27.9713, -11.6317

**Deuteranomaly**  
37.6390, 24.3350, -11.9614

**Tritanomaly**  
44.0200, 9.8501, 14.0145

# Monochromacy



**Original Color**  
39.9390, 29.6101, 22.8555

**Achromatopsia**  
40.0000, 0.0000, 0.0000

**Achromatomaly**  
39.9160, 10.8874, 7.9667

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 39.9390, 29.6101, 22.8555 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(66, 15, 100)` looks like.

```
.text, #text, p{  
    color:rgb(66, 15, 100)  
}
```

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(66, 15, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 15, 100) }
```

## Border

The CSS property to change the border of an element to YUV 39.9390, 29.6101, 22.8555 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(66, 15, 100) }
```



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

```
.border{ border-color:rgb(66, 15, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 15, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 15, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 15, 100);  
box-shadow:4px 4px 4px 4px rgb(66, 15,  
100) }
```

# Background

The CSS property to change the background color of an element to YUV 39.9390, 29.6101, 22.8555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 15, 100) }
```

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

```
.background{ background-color: rgb(66, 15,  
100) }
```

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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