

Converting Colors

YUV(89.9940, 39.9360, 71.0423)

Have a look what the booklet for
YUV(89.9940, 39.9360, 71.0423)
contains.

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Color

**YUV(89.9940, 39.9360,
71.0423)**

Conversions

Conversions Part 1

Format	Color
Hex	AB21AB
RGB	171, 33, 171
RGB Percent	67%, 13%, 67%
CMY	0.3294, 0.8706, 0.3294
CMYK	0.00, 0.81, 0.00, 0.33
HSL	300°, 68%, 40%
HSV	300°, 81%, 67%
XYZ	24.6891, 12.6859, 39.6754
YIQ	89.9940, 37.9500, 72.1740

Conversions

Conversions Part 2

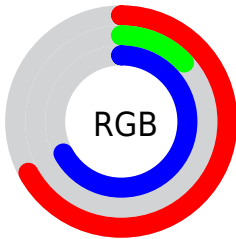
Format	Color
R_{YB}	171, 33, 171
Decimal	11215275
CIE _{Lab}	42.29, 67.79, -42.36
CIE _{LCh}	42, 79.938, 328.002
Yxy	12.6859, 0.3204, 0.1646
Android (android.graphics.Color)	4289405355 (0xFFAB21AB)
YUV	89.9940, 39.9360, 71.0423
Hunter-Lab	35.6173, 61.4020, -41.1133

Details

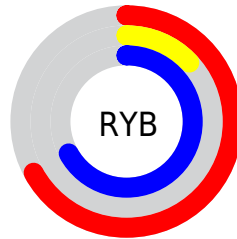
The YUV color **89.9940, 39.9360, 71.0423** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **114.0060, -39.9360, -71.0423**, and the grayscale version is **90.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **151.0000, 37.4680, 69.2830**, and **47.5380, 34.7378, 58.2872** is the 20% darker color. If you saturate the color by 10%, you get **80.0150, 44.8556, 79.7938**, and if you desaturate by 10%, it is **99.9730, 35.0163, 62.2907**.

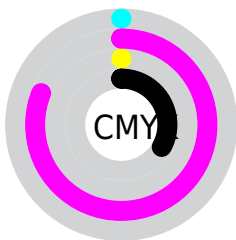
Distribution



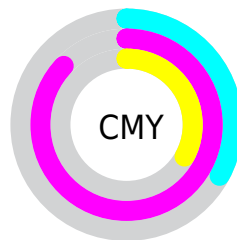
- Red (67%)
- Green (13%)
- Blue (67%)



- Red (67%)
- Yellow (13%)
- Blue (67%)



- Cyan (0%)
- Magenta (81%)
- Yellow (0%)
- Black (33%)



- Cyan (33%)
- Magenta (87%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YUV color 89.9940, 39.9360, 71.0423 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 89.9940, 39.9360, 71.0423 by changing the saturation by 10% instead.

89.9940, 39.9360,
71.0423

89.9940, 39.9360,
71.0423

255.0000, 0.0000,
0.0000

58.8740, 41.9671,
72.9015

151.0000, 37.4680,
69.2830

47.5380, 34.7378,
58.2872

178.6900, 37.6208,
66.9239

36.6150, 27.7978,
44.1876

195.1260, 29.5179,
52.5095

26.1050, 21.1472,
30.6029

212.1490, 21.1255,
37.5803

14.9970, 14.7915,
15.7886

229.1720, 12.7332,
22.6512

3.2090, 9.7570,
-2.8143

246.7820, 4.0515,

0.0000, 0.0000,

7.2072

0.0000

■ 89.9940, 39.9360,
71.0423

■ 89.9940, 39.9360,
71.0423

■ 80.0150, 44.8556,
79.7938

■ 99.9730, 35.0163,
62.2907

■ 70.6230, 49.4859,
88.0306

■ 109.9520, 30.0967,
53.5391

■ 119.9310, 25.1770,
44.7875

■ 129.9100, 20.2574,
36.0359

■ 140.4760, 15.0483,
26.7695

■ 150.4550, 10.1287,
18.0180

■ 160.4340, 5.2090,
9.2664

■ 170.4130, 0.2894,
0.5148

■ 180.3920, -4.6303,
-8.2368

Harmonies

Analogous

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



94.4920, 60.8894, -23.2335



89.9940, 39.9360, 71.0423



74.0910, 16.2241, 116.5612

Triad

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



89.9940, 39.9360, 71.0423



94.0260, -46.3548, 28.0412



92.3160, 33.8612, -80.9611

Complementary

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



89.9940, 39.9360, 71.0423



114.0060, -39.9360, -71.0423

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.



83.9770, 4.4483, -73.6478



89.9940, 39.9360, 71.0423



84.2710, -41.5456, -21.2857

Square

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



89.9940, 39.9360, 71.0423



89.8930, -44.3172, 74.6388



73.4380, -28.3169, -64.4051



96.4830, 57.4429, -84.6156

Rectangle

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



89.9940, 39.9360, 71.0423



69.7870, -2.8530, 122.0898



73.4380, -28.3169, -64.4051



89.8080, 24.2517, -78.7616

Sweetspot

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



89.9940, 39.9360, 71.0423



190.8890, 15.3377, 27.2843



48.7320, 60.2781, -13.7970



93.2160, 9.2605, 16.4736



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000

Same Dimension

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



89.9940, 39.9360, 71.0423



95.7950, 62.2191, 110.6818



82.1280, 9.7969, 77.9407



81.7170, 2.6045, 4.6332



61.9500, 43.4087, 77.2198



9.4990, 6.6560, 11.8404

Inverse Universe

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



89.9940, 39.9360, 71.0423



95.7950, 62.2191, 110.6818



121.8720, -9.7969, -77.9407



81.7170, 2.6045, 4.6332



61.9500, 43.4087, 77.2198



9.4990, 6.6560, 11.8404

Previews

White Background



This preview shows how the YUV color 89.9940, 39.9360, 71.0423 looks on a white background.

Color Contrast Check

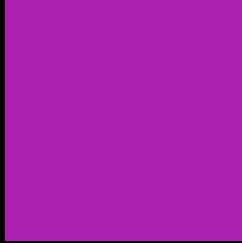
Large Text (above 18pt) WCAG AA ✓ Pass

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 89.9940, 39.9360, 71.0423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

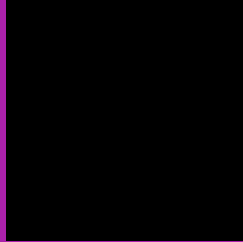
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 89.9940, 39.9360, 71.0423

Background



This preview shows how black text looks on a background with the YUV color 89.9940, 39.9360, 71.0423.



This preview shows how white text looks on a background with the YUV color 89.9940, 39.9360,

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

89.9940, 39.9360, 71.0423

Protanopia

80.4230, 61.9095, -70.5310

Deuteranopia

97.3750, 31.3671, -27.5159



Tritanopia

99.1810, -10.9352, 54.2153

Trichromacy



Original Color

89.9940, 39.9360, 71.0423



Protanomaly

83.9780, 53.7478, -19.2747



Deuteranomaly

94.5180, 34.7476, 8.3157



Tritanomaly

96.0350, 7.3777, 60.4823

Monochromacy



Original Color

89.9940, 39.9360, 71.0423



Achromatopsia

90.0000, 0.0000, 0.0000



Achromatomaly

89.6500, 14.4695, 25.7399

CSS Examples

Text

The CSS property to change the color of the text to YUV 89.9940, 39.9360, 71.0423 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(171, 33, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 33, 171)  
}
```

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(171, 33, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 33, 171) }
```

Border

The CSS property to change the border of an element to YUV 89.9940, 39.9360, 71.0423 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(171, 33, 171) }
```


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

```
.border{ border-color:rgb(171, 33, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 33, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 33, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 33, 171);  
box-shadow:4px 4px 4px 4px rgb(171, 33,  
171) }
```

Background

The CSS property to change the background color of an element to YUV 89.9940, 39.9360, 71.0423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 33, 171) }
```

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

```
.background{ background-color: rgb(171, 33,  
171) }
```

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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