

Converting Colors

YUV(89.7060, 39.0919,
-78.6722)

Have a look what the booklet for
YUV(89.7060, 39.0919, -78.6722)
contains.

YUV(89.7060, 39.0919, -78.6722)	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>	30

Color

**YUV(89.7060, 39.0919,
-78.6722)**

Conversions

Conversions Part 1

Format	Color
Hex	0078A9
RGB	0, 120, 169
RGB Percent	0%, 47%, 66%
CMY	1.0000, 0.5294, 0.3373
CMYK	1.00, 0.29, 0.00, 0.34
HSL	197°, 100%, 33%
HSV	197°, 100%, 66%
XYZ	13.8779, 16.2975, 39.9504
YIQ	89.7060, -87.2490, -10.2010

Conversions

Conversions Part 2

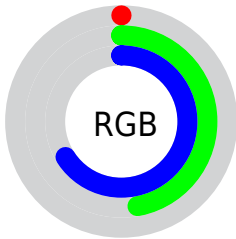
Format	Color
RYB	0, 70, 169
Decimal	30889
CIELab	47.36, -9.83, -33.93
CIELCh	47, 35.329, 253.852
Yxy	16.2975, 0.1979, 0.2324
Android (android.graphics.Color)	4278220969 (0xFF0078A9)
YUV	89.7060, 39.0919, -78.6722
Hunter-Lab	40.3702, -9.2856, -30.4144

Details

The YUV color **89.7060, 39.0919, -78.6722** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **79.2940, -39.0919, 78.6722**, and the grayscale version is **89.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **153.1110, 34.9483, -56.2253**, and **55.6020, 30.2692, -48.7630** is the 20% darker color. If you saturate the color by 10%, you get **89.7060, 39.0919, -78.6722**, and if you desaturate by 10%, it is **97.7240, 35.1391, -70.7949**.

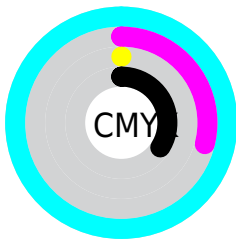
Distribution



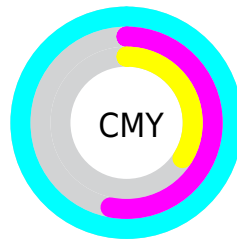
- Red (0%)
- Green (47%)
- Blue (66%)



- Red (0%)
- Yellow (27%)
- Blue (66%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (53%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the YUV color 89.7060, 39.0919, -78.6722 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 89.7060, 39.0919, -78.6722 by changing the saturation by 10% instead.

■ 89.7060, 39.0919,
-78.6722

■ 89.7060, 39.0919,
-78.6722

■ 255.0000, 0.0000,
0.0000

■ 71.9530, 34.5332,
-63.1028

■ 153.1110, 34.9483,
-56.2253

■ 55.6020, 30.2692,
-48.7630

■ 181.5350, 35.2322,
-53.9662

■ 39.2510, 26.0053,
-34.4231

■ 206.8700, 23.7281,
-50.7520

■ 24.7750, 21.3099,
-21.7277

■ 232.2760, 11.2029,
-46.7231

■ 6.8910, 18.7877,
-6.0434

■ 241.2460, 6.7807,
-28.2797

■ 3.3230, 10.1938,
-2.9143

■ 250.2160, 2.3585,

■ 0.0000, 0.0000,

-9.8364

0.0000

■ 89.7060, 39.0919,
-78.6722

■ 97.7240, 35.1391,
-70.7949

■ 105.7420, 31.1862,
-62.9177

■ 113.7600, 27.2333,
-55.0405

■ 121.7780, 23.2804,
-47.1633

■ 128.9100, 19.7644,
-39.3861

■ 136.9280, 15.8115,
-31.5089

■ 144.9460, 11.8586,
-23.6316

■ 152.9640, 7.9057,
-15.7544

■ 160.9820, 3.9529,
-7.8772

Harmonies

Analogous

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



91.4040, 30.3668, -80.1613



89.7060, 39.0919, -78.6722



111.1480, 29.0140, -19.4238

Triad

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



89.7060, 39.0919, -78.6722



113.5870, -6.6984, 48.5972



104.4820, -17.9856, -17.9627

Complementary

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



89.7060, 39.0919, -78.6722



79.2940, -39.0919, 78.6722

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.



108.5300, -27.3763, 7.4282



89.7060, 39.0919, -78.6722



112.1230, -19.7806, 44.6191

Square

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



89.7060, 39.0919, -78.6722



115.1910, 7.3008, 38.4205



110.9610, -27.5888, 28.9752



97.0400, -1.0057, -50.9011

Rectangle

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



89.7060, 39.0919, -78.6722



114.8090, 23.2652, 4.5525



110.9610, -27.5888, 28.9752



106.0980, -22.2333, -8.8559

Sweetspot

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



89.7060, 39.0919, -78.6722



188.4120, 15.0799, -30.1793



104.6750, -27.9408, -91.8000



90.9960, 9.3690, -18.4135



237.0000, 0.0000, 0.0000



110.0000, 0.0000, 0.0000

Same Dimension

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



89.7060, 39.0919, -78.6722



116.5380, 50.5138, -102.2038



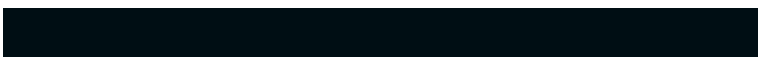
40.9850, 63.1114, -35.9438



80.4340, 1.7580, -3.8886



78.5070, 34.2600, -68.8506



10.4980, 4.6845, -9.2067

Inverse Universe

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



64.2110, 27.5040, 91.9000



83.2650, 35.8584, 119.0396



128.0150, -63.1114, 35.9438



79.0760, 1.4415, 4.3183



56.2220, 24.0476, 80.4893



7.5760, 3.1670, 10.8958

Previews

White Background



This preview shows how the YUV color 89.7060, 39.0919, -78.6722 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 89.7060, 39.0919, -78.6722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

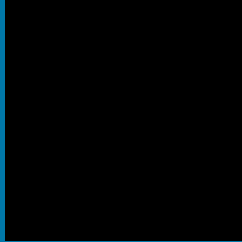
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 89.7060, 39.0919, -78.6722

Background



This preview shows how black text looks on a background with the YUV color 89.7060, 39.0919, -78.6722.



This preview shows how white text looks on a background with the YUV color 89.7060, 39.0919,

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



Protanopia

111.6280, 24.3404, -13.7058

Deuteranopia

110.0550, 30.0459, -23.7272

Tritanopia

88.6510, 22.3571, -77.7469

Trichromacy



Protanomaly

103.8530, 29.6525, -37.5821

Deuteranomaly

102.7320, 33.1631, -43.6150

Tritanomaly

88.9590, 28.6142, -78.0170

Monochromacy



Achromatopsia

90.0000, 0.0000, 0.0000

Achromatomaly

89.8960, 14.3483, -28.8498

CSS Examples

Text

The CSS property to change the color of the text to YUV 89.7060, 39.0919, -78.6722 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(0, 120, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 169)  
}
```

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(0, 120, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 169) }
```

Border

The CSS property to change the border of an element to YUV 89.7060, 39.0919, -78.6722 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(0, 120, 169) }
```

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

```
.border{ border-color:rgb(0, 120, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
169) }
```


Background

The CSS property to change the background color of an element to YUV 89.7060, 39.0919, -78.6722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 169) }
```

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

```
.background{ background-color: rgb(0, 120,  
169) }
```

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