

Converting Colors

YUV(22.7080, 66.6990,
-19.9149)

Have a look what the booklet for
YUV(22.7080, 66.6990, -19.9149)
contains.

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Color

**YUV(22.7080, 66.6990,
-19.9149)**

Conversions

Conversions Part 1

Format	Color
Hex	00089E
RGB	0, 8, 158
RGB Percent	0%, 3%, 62%
CMY	1.0000, 0.9686, 0.3804
CMYK	1.00, 0.95, 0.00, 0.38
HSL	237°, 100%, 31%
HSV	237°, 100%, 62%
XYZ	6.2584, 2.6423, 32.5279
YIQ	22.7080, -52.9180, 44.9540

Conversions

Conversions Part 2

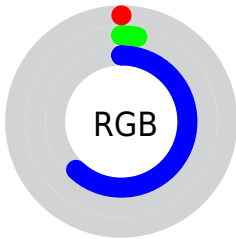
Format	Color
R_{YB}	0, 8, 158
Decimal	2206
CIE _{Lab}	18.55, 52.98, -74.13
CIE _{LCh}	19, 91.116, 305.553
Yxy	2.6423, 0.1511, 0.0638
Android (android.graphics.Color)	4278192286 (0xFF00089E)
YUV	22.7080, 66.6990, -19.9149
Hunter-Lab	16.2551, 40.2779, -107.2659

Details

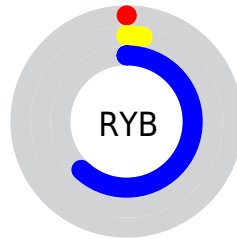
The YUV color **22.7080, 66.6990, -19.9149** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **135.2920, -66.6990, 19.9149**, and the grayscale version is **22.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **87.1240, 62.5499, 4.2763**, and **11.9700, 45.8638, -10.4977** is the 20% darker color. If you saturate the color by 10%, you get **22.7080, 66.6990, -19.9149**, and if you desaturate by 10%, it is **36.2970, 59.9996, -17.8005**.

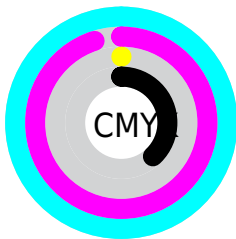
Distribution



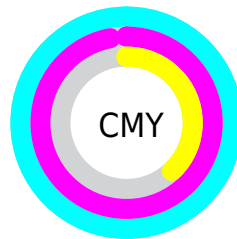
- Red (0%)
- Green (3%)
- Blue (62%)



- Red (0%)
- Yellow (3%)
- Blue (62%)



- Cyan (100%)
- Magenta (95%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (97%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the YUV color 22.7080, 66.6990, -19.9149 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 22.7080, 66.6990, -19.9149 by changing the saturation by 10% instead.

■ 22.7080, 66.6990,
-19.9149

■ 22.7080, 66.6990,
-19.9149

■ 251.4780, 1.7363,
3.0888

■ 14.9340, 57.2205,
-13.0971

■ 87.1240, 62.5499,
4.2763

■ 11.9700, 45.8638,
-10.4977

■ 114.3740, 63.4126,
7.5650

■ 13.2290, 32.9181,
-11.6018

■ 139.9740, 56.7078,
11.4238

■ 9.3190, 23.0137,
-8.1728

■ 164.2060, 44.7614,
16.4823

■ 4.9360, 13.8356,
-4.3289

■ 189.3240, 32.3783,
21.6409

■ 0.6840, 2.6208,
-0.5999

■ 214.7300, 19.8531,

■ 0.0000, 0.0000,

25.6698

0.0000

■ 234.4550, 10.1287,
18.0180

■ 22.7080, 66.6990,
-19.9149

■ 36.2970, 59.9996,
-17.8005

■ 49.8860, 53.3002,
-15.6860

■ 63.1760, 46.7482,
-14.1864

■ 76.7650, 40.0489,
-12.0719

■ 90.3540, 33.3495,
-9.9575

■ 103.9430, 26.6501,
-7.8430

■ 117.5320, 19.9507,
-5.7286

■ 130.8220, 13.3988,
-4.2289

■ 144.4110, 6.6994,
-2.1144

Harmonies

Analogous

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



53.9620, 64.6017, -47.3247



22.7080, 66.6990, -19.9149



49.0030, 26.1275, 66.6494

Triad

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



22.7080, 66.6990, -19.9149



32.5250, -16.0348, 56.5446



44.0660, 6.3765, -38.6459

Complementary

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



22.7080, 66.6990, -19.9149



135.2920, -66.6990, 19.9149

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.



36.9810, -18.2316, -32.4323



22.7080, 66.6990, -19.9149



41.9300, -20.6715, 3.5694

Square

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



22.7080, 66.6990, -19.9149



39.7670, -19.6051, 81.7653



34.6330, -17.0741, -30.3731



53.3510, 34.3370, -46.7888

Rectangle

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



22.7080, 66.6990, -19.9149



49.6680, 4.1077, 82.7292



34.6330, -17.0741, -30.3731



40.7430, -3.8173, -35.7316

Sweetspot

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



22.7080, 66.6990, -19.9149



153.8290, 26.2133, -7.7430



109.5040, 18.4855, -96.0350



72.5060, 16.0195, -4.8288



232.0000, 0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



22.7080, 66.6990, -19.9149



29.4680, 87.5233, -25.8434



38.3440, 58.9904, 26.0083



72.4990, 3.2050, -1.3146



20.4110, 60.4364, -17.9004



2.2970, 6.2626, -2.0145

Inverse Universe

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



48.1540, -19.7959, 96.3349



63.0330, -26.1453, 126.2591



119.6560, -58.9904, -26.0083



73.5060, -0.7425, 4.8182



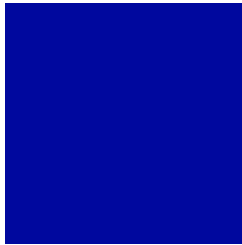
43.5550, -18.0216, 87.2133



4.5990, -1.7743, 9.1217

Previews

White Background



This preview shows how the YUV color 22.7080, 66.6990, -19.9149 looks on a white background.

Color Contrast Check

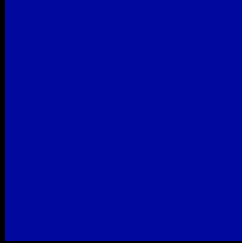
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7080, 66.6990, -19.9149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

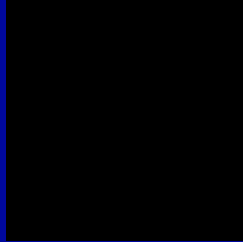
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 22.7080, 66.6990, -19.9149

Background



This preview shows how black text looks on a background with the YUV color 22.7080, 66.6990, -19.9149.



This preview shows how white text looks on a background with the YUV color 22.7080, 66.6990,

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

22.7080, 66.6990, -19.9149

Protanopia

38.0600, 29.0574, -33.3786

Deuteranopia

38.6980, 21.3479, -33.9381



Tritanopia

37.4950, 9.1230, -32.8831

Trichromacy



Original Color

22.7080, 66.6990, -19.9149

Protanomaly

32.3500, 42.7185, -28.3710

Deuteranomaly

33.0850, 37.9191, -29.0155

Tritanomaly

32.3210, 29.9147, -28.3455

Monochromacy



Original Color

22.7080, 66.6990, -19.9149

Achromatopsia

23.0000, 0.0000, 0.0000

Achromatomaly

23.2590, 24.0293, -7.2431

CSS Examples

Text

The CSS property to change the color of the text to YUV 22.7080, 66.6990, -19.9149 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, 8, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 8, 158)  
}
```

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, 8, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 8, 158) }
```

Border

The CSS property to change the border of an element to YUV 22.7080, 66.6990, -19.9149 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, 8, 158) }
```


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

```
.border{ border-color:rgb(0, 8, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 8, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 8, 158); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 8, 158); box-shadow:4px  
4px 4px 4px rgb(0, 8, 158) }
```

Background

The CSS property to change the background color of an element to YUV 22.7080, 66.6990, -19.9149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 8, 158) }
```

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

```
.background{ background-color: rgb(0, 8,  
158) }
```

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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