

Converting Colors

YUV(83.7290, 79.0136, 90.5687)

Have a look what the booklet for
YUV(83.7290, 79.0136, 90.5687)
contains.

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Color

**YUV(83.7290, 79.0136,
90.5687)**

Conversions

Conversions Part 1

Format	Color
Hex	BB00F4
RGB	187, 0, 244
RGB Percent	73%, 0%, 96%
CMY	0.2667, 1.0000, 0.0431
CMYK	0.23, 1.00, 0.00, 0.04
HSL	286°, 100%, 48%
HSV	286°, 100%, 96%
XYZ	36.8227, 17.0964, 86.9471
YIQ	83.7290, 33.1280, 115.5280

Conversions

Conversions Part 2

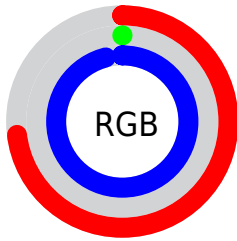
Format	Color
RYB	187, 0, 244
Decimal	12255476
CIELab	48.38, 86.99, -74.55
CIElCh	48, 114.565, 319.405
Yxy	17.0964, 0.2614, 0.1214
Android (android.graphics.Color)	4290445556 (0xFFBB00F4)
YUV	83.7290, 79.0136, 90.5687
Hunter-Lab	41.3479, 86.6058, -95.7327

Details

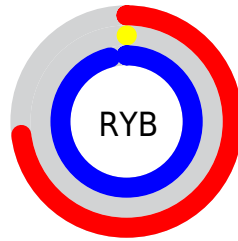
The YUV color **83.7290, 79.0136, 90.5687** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **160.2710, -79.0136, -90.5687**, and the grayscale version is **83.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **157.2260, 48.2026, 79.6088**, and **59.1770, 62.5237, 59.4808** is the 20% darker color. If you saturate the color by 10%, you get **83.7290, 79.0136, 90.5687**, and if you desaturate by 10%, it is **99.6110, 71.1838, 81.9022**.

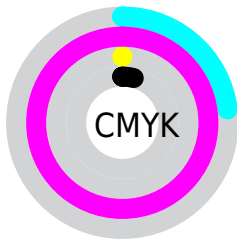
Distribution



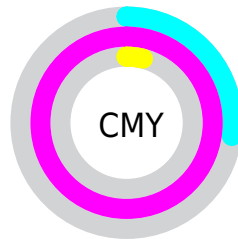
- Red (73%)
- Green (0%)
- Blue (96%)



- Red (73%)
- Yellow (0%)
- Blue (96%)



- Cyan (23%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)





- Cyan (27%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the YUV color 83.7290, 79.0136, 90.5687 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 83.7290, 79.0136, 90.5687 by changing the saturation by 10% instead.


 83.7290, 79.0136,
90.5687


 83.7290, 79.0136,
90.5687


255.0000, 0.0000,
0.0000


 71.4530, 70.7687,
75.0247


 157.2260, 48.2026,
79.6088

 59.1770, 62.5237,
59.4808


 177.5160, 38.1996,
67.9535

 46.8300, 55.2998,
43.1221


 195.1260, 29.5179,
52.5095

 34.4830, 48.0759,
26.7634

 212.7360, 20.8362,
37.0655

 21.8370, 40.9994,
9.7900

 230.3460, 12.1544,
21.6216

 9.1200, 34.9438,
-7.9982

 247.9560, 3.4727,

 9.3190, 23.0137,

6.1776

-8.1728

■ 4.9360, 13.8356,
-4.3289

■ 0.7980, 3.0576,
-0.6998

■ 83.7290, 79.0136,
90.5687

■ 99.6110, 71.1838,
81.9022

■ 115.7810, 63.2120,
72.1061

■ 131.6630, 55.3821,
63.4395

■ 148.1320, 47.2629,
54.2582

■ 163.7150, 39.5805,
44.9769

■ 179.5970, 31.7507,
36.3104

■ 196.0660, 23.6315,
27.1291

■ 211.9480, 15.8016,
18.4626

■ 228.1180, 7.8298,
8.6665

Harmonies

Analogous

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



92.4660, 80.1293, -81.0927



83.7290, 79.0136, 90.5687



93.8010, 29.6781, 141.3715

Triad

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



83.7290, 79.0136, 90.5687



108.3450, -53.4141, 52.3174



108.3420, 34.3414, -95.0159

Complementary

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



83.7290, 79.0136, 90.5687



160.2710, -79.0136, -90.5687

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.



94.9530, -9.3438, -83.2738



83.7290, 79.0136, 90.5687



99.0450, -48.8292, -18.4565

Square

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



83.7290, 79.0136, 90.5687



69.6670, -34.3458, 143.2430



83.3540, -41.0935, -73.1015



117.1200, 67.9748, -102.7142

Rectangle

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



83.7290, 79.0136, 90.5687



86.5050, 1.7230, 147.7701



83.3540, -41.0935, -73.1015



103.9930, 20.2165, -91.2019

Sweetspot

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



83.7290, 79.0136, 90.5687



205.0060, 24.6470, 28.0587



63.6230, 88.9259, -55.7974



97.7090, 14.9335, 16.9182



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

Same Dimension

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



83.7290, 79.0136, 90.5687



87.3750, 82.6391, 94.3871



93.8180, 43.9667, 131.7096



114.3580, 3.7675, 4.9480



63.9610, 60.1652, 69.3172



20.1810, 19.1378, 21.7663

Inverse Universe

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



79.4540, -11.0698, 144.3068



83.0850, -11.3809, 150.7695



150.1820, -43.9667, -131.7096



113.9300, -0.4585, 7.0774



60.5160, -8.6354, 110.0495



19.2370, -2.5818, 34.8722

Previews

White Background



This preview shows how the YUV color 83.7290, 79.0136, 90.5687 looks on a white background.

Color Contrast Check

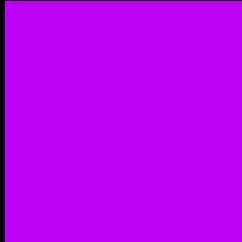
Large Text (above 18pt) WCAG AA ✓ Pass

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 83.7290, 79.0136, 90.5687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

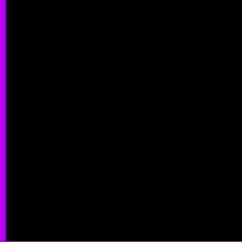
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 83.7290, 79.0136, 90.5687

Background



This preview shows how black text looks on a background with the YUV color 83.7290, 79.0136, 90.5687.

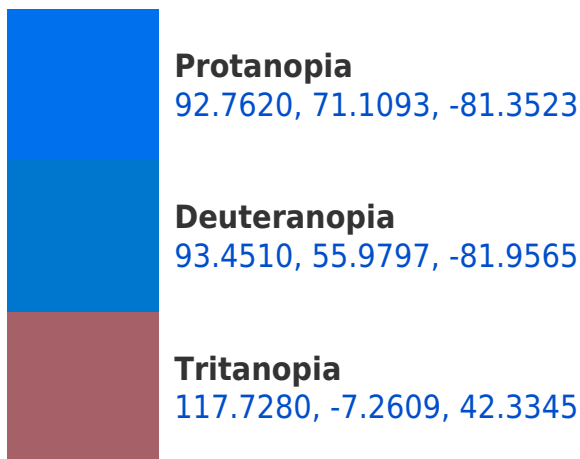


This preview shows how white text looks on a background with the YUV color 83.7290, 79.0136,

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



Trichromacy



Protanomaly

89.3690, 74.2611, -18.7406

Deuteranomaly

90.0240, 64.0782, -19.3150

Tritanomaly

105.3890, 23.9652, 60.1718

Monochromacy



Achromatopsia

84.0000, 0.0000, 0.0000

Achromatomaly

83.4780, 28.8513, 32.9068

CSS Examples

Text

The CSS property to change the color of the text to YUV 83.7290, 79.0136, 90.5687 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(187, 0, 244)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 244)  
}
```

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(187, 0, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 244) }
```

Border

The CSS property to change the border of an element to YUV 83.7290, 79.0136, 90.5687 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(187, 0, 244) }
```

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

```
.border{ border-color:rgb(187, 0, 244) }
```

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

Here you see how a box with a 4 pixel rgb(187, 0, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 244);  
box-shadow:4px 4px 4px 4px rgb(187, 0,  
244) }
```


Background

The CSS property to change the background color of an element to YUV 83.7290, 79.0136, 90.5687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 0, 244) }
```

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

```
.background{ background-color: rgb(187, 0,  
244) }
```

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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