

Converting Colors

$Y_{xy}(10.1073, 0.2048, 0.0902)$

Have a look what the booklet for
Yxy(10.1073, 0.2048, 0.0902)
contains.

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Color

Yxy(10.1357, 0.2046, 0.0901)

Conversions

Conversions Part 1

Format	Color
Hex	7A00EB
RGB	122, 0, 235
RGB Percent	48%, 0%, 92%
CMY	0.5217, 0.9994, 0.0784
CMYK	0.48, 1.00, 0.00, 0.08
HSL	271°, 100%, 46%
HSV	271°, 100%, 92%
XYZ	23.0163, 10.1357, 79.3419
YIQ	63.2680, -2.7230, 98.9490

Conversions

Conversions Part 2

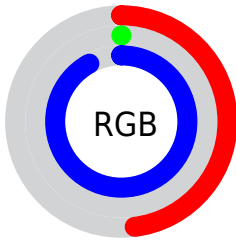
Format	Color
R _Y B	122, 0, 235
Decimal	7995627
CIE Lab	38.08, 78.53, -86.72
CIE LCh	38, 116.994, 312.160
Yxy	10.1357, 0.2046, 0.0901
Android (android.graphics.Color)	4286185707 (0xFF7A00EB)
YUV	63.2680, 84.6639, 51.5080
Hunter-Lab	31.8366, 73.3323, -125.4746

Details

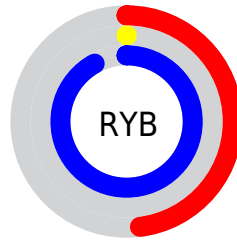
The Yxy color **10.1357, 0.2046, 0.0901** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **62.9427, 0.3331, 0.5737**, and the grayscale version is **4.8981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **23.2716, 0.2540, 0.1444**, and **3.9444, 0.1695, 0.0707** is the 20% darker color. If you saturate the color by 10%, you get **10.1270, 0.2045, 0.0900**, and if you desaturate by 10%, it is **11.6458, 0.2154, 0.1002**.

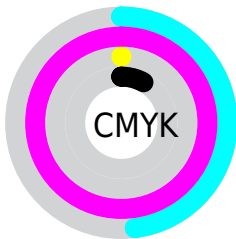
Distribution



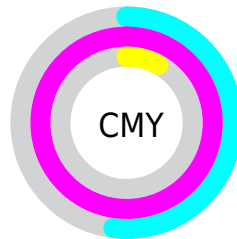
- Red (48%)
- Green (0%)
- Blue (92%)



- Red (48%)
- Yellow (0%)
- Blue (92%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)





- Cyan (52%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1357, 0.2046, 0.0901 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 Yxy color 10.1357, 0.2046, 0.0901 by changing the saturation by 10% instead.


 10.1357, 0.2046,
0.0901


 10.1357, 0.2046,
0.0901


191.6379, 0.2700,
0.1987


 5.4890, 0.1867,
0.0696


 26.0504, 0.2300,
0.1251


 2.5369, 0.1639,
0.0477


 38.0873, 0.2392,
0.1397


 0.8951, 0.1347,
0.0262

 53.3563, 0.2467,
0.1526

 0.0000, 0.0993,
0.0000

 72.2419, 0.2530,
0.1641

 0.0000, 0.0558,
0.0000

 95.1284, 0.2583,
0.1742

 0.0000, 0.0000,
0.0000

 122.4004, 0.2628,

0.1833

154.4420, 0.2666,
0.1914

■ 10.1357, 0.2046,
0.0901

■ 10.1357, 0.2046,
0.0901

■ 10.1270, 0.2045,
0.0900

■ 11.6458, 0.2154,
0.1002

■ 14.0255, 0.2273,
0.1154

■ 17.5185, 0.2401,
0.1360

■ 22.2696, 0.2530,
0.1610

■ 28.4011, 0.2656,
0.1890

■ 36.0201, 0.2774,
0.2184

■ 45.2229, 0.2881,
0.2481

■ 56.0975, 0.2975,
0.2768

■ 68.7252, 0.3058,
0.3040

Harmonies

Analogous

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



10.1357, 0.0898, 0.0699



10.1357, 0.2046, 0.0901



10.1357, 0.4409, 0.1438

Triad

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



10.1357, 0.2046, 0.0901



10.1357, 0.5935, 0.4065



10.1357, 0.0378, 0.3007

Complementary

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



10.1357, 0.2046, 0.0901



62.9427, 0.3331, 0.5737

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.



10.1357, 0.0975, 0.7197



10.1357, 0.2046, 0.0901



10.1357, 0.4047, 0.5953

Square

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



10.1357, 0.2046, 0.0901



10.1357, 0.7105, 0.2895



10.1357, 0.2170, 0.7830



10.1357, 0.0293, 0.1244

Rectangle

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



10.1357, 0.2046, 0.0901



10.1357, 0.6237, 0.1938



10.1357, 0.2170, 0.7830



10.1357, 0.0497, 0.4222

Sweetspot

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



10.1359, 0.2046, 0.0901



54.1925, 0.2879, 0.2475



17.9587, 0.1750, 0.1498



10.5476, 0.2835, 0.2350



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



10.1359, 0.2046, 0.0901



12.1457, 0.2041, 0.0898



23.4405, 0.3252, 0.1565



14.9331, 0.3061, 0.3052



5.7125, 0.2061, 0.0909



0.5058, 0.2209, 0.0990

Inverse Universe

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



18.8629, 0.5070, 0.2567



22.6838, 0.5082, 0.2573



59.4279, 0.2998, 0.5992



15.1749, 0.3217, 0.3177



10.5204, 0.5035, 0.2547



0.8455, 0.4715, 0.2371

Previews

White Background



This preview shows how the Yxy color 10.1357, 0.2046, 0.0901 looks on a white background.

Color Contrast Check

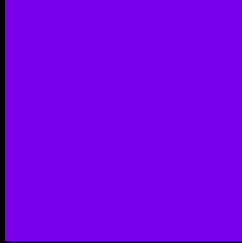
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 10.1357, 0.2046, 0.0901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

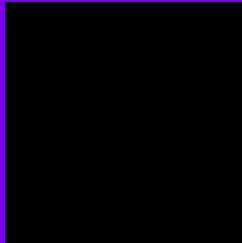
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.1357, 0.2046, 0.0901

Background



This preview shows how black text looks on a background with the Yxy color 10.1357, 0.2046, 0.0901.



This preview shows how white text looks on a background with the Yxy color 10.1357, 0.2046, 0.0901.

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

10.1357, 0.2046, 0.0901

Protanopia

10.4822, 0.1749, 0.1497

Deuteranopia

10.4740, 0.1867, 0.1922



Tritanopia

10.5336, 0.2937, 0.3120

Trichromacy



Original Color

10.1357, 0.2046, 0.0901



Protanomaly

7.6756, 0.1692, 0.0982



Deuteranomaly

7.3124, 0.1743, 0.1106



Tritanomaly

7.9187, 0.2466, 0.1620

Monochromacy



Original Color

10.1357, 0.2046, 0.0901



Achromatopsia

4.9707, 0.3127, 0.3290



Achromatomaly

4.9088, 0.2453, 0.1472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1357, 0.2046, 0.0901 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(122, 0, 235)` looks like.

```
.text, #text, p{  
  color:rgb(122, 0, 235)  
}
```

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(122, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 0, 235) }
```

Border

The CSS property to change the border of an element to Yxy 10.1357, 0.2046, 0.0901 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(122, 0, 235) }
```

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

```
.border{ border-color:rgb(122, 0, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 0, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(122, 0,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1357, 0.2046, 0.0901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 0, 235) }
```

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

```
.background{ background-color: rgb(122, 0,  
235) }
```

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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