

Converting Colors

$Y_{xy}(10.1657, 0.2007, 0.0879)$

Have a look what the booklet for
Yxy(10.1657, 0.2007, 0.0879)
contains.

Yxy(10.1539, 0.2003, 0.0877)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.1539, 0.2003, 0.0877)

Conversions

Conversions Part 1

Format	Color
Hex	7700EF
RGB	119, 0, 239
RGB Percent	47%, 0%, 94%
CMY	0.5334, 1.0000, 0.0626
CMYK	0.50, 1.00, 0.00, 0.06
HSL	270°, 100%, 47%
HSV	270°, 100%, 94%
XYZ	23.1907, 10.1539, 82.4353
YIQ	62.8270, -5.7950, 99.5570

Conversions

Conversions Part 2

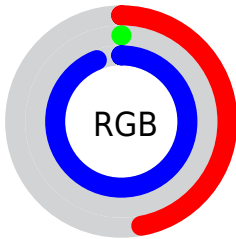
Format	Color
R_{YB}	119, 0, 239
Decimal	7799023
CIE _{Lab}	38.12, 79.17, -88.98
CIE _{LCh}	38, 119.103, 311.663
Yxy	10.1539, 0.2003, 0.0877
Android (android.graphics.Color)	4285989103 (0xFF7700EF)
YUV	62.8270, 86.8533, 49.2637
Hunter-Lab	31.8652, 74.1440, -131.0777

Details

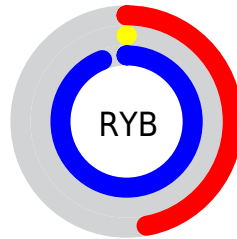
The Yxy color **10.1539, 0.2003, 0.0877** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **65.7585, 0.3358, 0.5716**, and the grayscale version is **4.8156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **22.9024, 0.2513, 0.1431**, and **3.9170, 0.1651, 0.0683** is the 20% darker color. If you saturate the color by 10%, you get **10.1554, 0.2003, 0.0877**, and if you desaturate by 10%, it is **11.7084, 0.2113, 0.0979**.

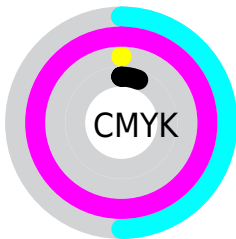
Distribution



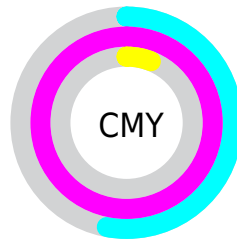
- Red (47%)
- Green (0%)
- Blue (94%)



- Red (47%)
- Yellow (0%)
- Blue (94%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (53%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1539, 0.2003, 0.0877 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 10.1539, 0.2003, 0.0877 by changing the saturation by 10% instead.


 10.1539, 0.2003,
0.0877


 10.1539, 0.2003,
0.0877


191.7670, 0.2676,
0.1965


 5.5011, 0.1822,
0.0675


 26.0846, 0.2263,
0.1225


 2.5442, 0.1592,
0.0460


 38.1312, 0.2357,
0.1371

 0.8987, 0.1302,
0.0251


 53.4113, 0.2435,
0.1501

 0.0000, 0.0954,
0.0000

 72.3093, 0.2500,
0.1615

 0.0000, 0.0535,
0.0000

 95.2094, 0.2555,
0.1718

 0.0000, 0.0000,
0.0000

 122.4961, 0.2601,

0.1809

154.5538, 0.2641,
0.1891

■ 10.1539, 0.2003,
0.0877

■ 10.1539, 0.2003,
0.0877

■ 10.1554, 0.2003,
0.0877

■ 11.7084, 0.2113,
0.0979

■ 14.1722, 0.2235,
0.1133

■ 17.8013, 0.2367,
0.1342

■ 22.7474, 0.2501,
0.1595

■ 29.1388, 0.2632,
0.1878

■ 37.0876, 0.2756,
0.2176

■ 46.6948, 0.2868,
0.2475

■ 58.0524, 0.2967,
0.2765

■ 71.2458, 0.3053,
0.3038

Harmonies

Analogous

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



10.1539, 0.0869, 0.0681



10.1539, 0.2003, 0.0877



10.1539, 0.4376, 0.1407

Triad

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



10.1539, 0.2003, 0.0877



10.1539, 0.5978, 0.4022



10.1539, 0.0361, 0.3043

Complementary

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



10.1539, 0.2003, 0.0877



65.7585, 0.3358, 0.5716

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.



10.1539, 0.0954, 0.7335



10.1539, 0.2003, 0.0877



10.1539, 0.4067, 0.5933

Square

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



10.1539, 0.2003, 0.0877



10.1539, 0.7148, 0.2852



10.1539, 0.2151, 0.7849



10.1539, 0.0278, 0.1234

Rectangle

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



10.1539, 0.2003, 0.0877



10.1539, 0.6241, 0.1906



10.1539, 0.2151, 0.7849



10.1539, 0.0480, 0.4299

Sweetspot

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



10.1554, 0.2003, 0.0877



53.9470, 0.2867, 0.2472



20.5270, 0.1780, 0.1607



10.4896, 0.2821, 0.2346



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.



10.1554, 0.2003, 0.0877



11.7259, 0.2000, 0.0875



23.9077, 0.3167, 0.1518



15.6151, 0.3058, 0.3051



5.6876, 0.2019, 0.0886



0.5323, 0.2162, 0.0964

Inverse Universe

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



19.7166, 0.4984, 0.2519



22.8206, 0.4991, 0.2523



61.7864, 0.3003, 0.5998



15.8913, 0.3214, 0.3172



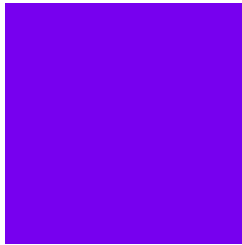
10.9175, 0.4949, 0.2500



0.9283, 0.4658, 0.2339

Previews

White Background



This preview shows how the Yxy color 10.1539, 0.2003, 0.0877 looks on a white background.

Color Contrast Check

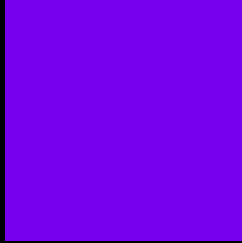
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.1539, 0.2003, 0.0877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

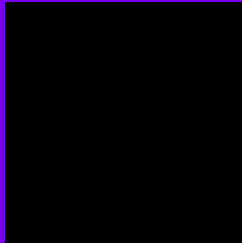
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1539, 0.2003, 0.0877

Background



This preview shows how black text looks on a background with the Yxy color 10.1539, 0.2003, 0.0877.



This preview shows how white text looks on a background with the Yxy color 10.1539, 0.2003, 0.0877.

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

10.1539, 0.2003, 0.0877

Protanopia

10.4822, 0.1749, 0.1497

Deuteranopia

10.4740, 0.1867, 0.1922



Tritanopia

10.4738, 0.2826, 0.3092

Trichromacy



Original Color

10.1539, 0.2003, 0.0877

Protanomaly

7.7497, 0.1685, 0.0972

Deuteranomaly

7.3332, 0.1736, 0.1099

Tritanomaly

7.7420, 0.2369, 0.1559

Monochromacy



Original Color

10.1539, 0.2003, 0.0877

Achromatopsia

4.9707, 0.3127, 0.3290

Achromatomaly

4.8889, 0.2425, 0.1453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1539, 0.2003, 0.0877 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(119, 0, 239)` looks like.

```
.text, #text, p{  
    color:rgb(119, 0, 239)  
}
```

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(119, 0, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 0, 239) }
```

Border

The CSS property to change the border of an element to Yxy 10.1539, 0.2003, 0.0877 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(119, 0, 239) }
```

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

```
.border{ border-color:rgb(119, 0, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 0, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 0, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 0, 239);  
box-shadow:4px 4px 4px 4px rgb(119, 0,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1539, 0.2003, 0.0877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 0, 239) }
```

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

```
.background{ background-color: rgb(119, 0,  
239) }
```

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