

Converting Colors

$Y_{xy}(10.6589, 0.2371, 0.1157)$

Have a look what the booklet for
Yxy(10.6589, 0.2371, 0.1157)
contains.

Yxy(10.6678, 0.2366, 0.1153)	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(10.6678, 0.2366, 0.1153)

Conversions

Conversions Part 1

Format	Color
Hex	881ECF
RGB	136, 30, 207
RGB Percent	53%, 12%, 81%
CMY	0.4664, 0.8829, 0.1881
CMYK	0.34, 0.86, 0.00, 0.19
HSL	276°, 75%, 46%
HSV	276°, 86%, 81%
XYZ	21.8907, 10.6678, 59.9636
YIQ	81.8720, 6.3590, 77.5190

Conversions

Conversions Part 2

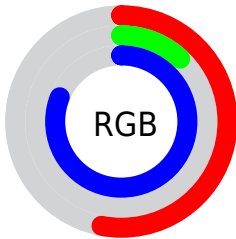
Format	Color
R _Y B	136, 30, 207
Decimal	8920783
CIE Lab	39.02, 69.35, -69.08
CIE LCh	39, 97.887, 315.112
Yxy	10.6678, 0.2366, 0.1153
Android (android.graphics.Color)	4287110863 (0xFF881ECF)
YUV	81.8720, 61.6881, 47.4703
Hunter-Lab	32.6616, 62.4780, -85.9877

Details

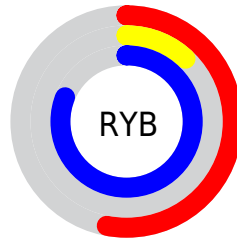
The Yxy color **10.6678, 0.2366, 0.1153** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **47.4976, 0.3310, 0.5633**, and the grayscale version is **8.2732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3043, 0.2637, 0.1566**, and **3.8121, 0.2058, 0.0907** is the 20% darker color. If you saturate the color by 10%, you get **9.2768, 0.2266, 0.1039**, and if you desaturate by 10%, it is **12.7989, 0.2472, 0.1319**.

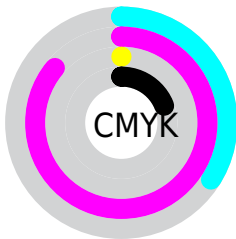
Distribution



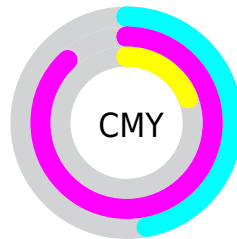
- Red (53%)
- Green (12%)
- Blue (81%)



- Red (53%)
- Yellow (12%)
- Blue (81%)



- Cyan (34%)
- Magenta (86%)
- Yellow (0%)
- Black (19%)




- Cyan (47%)
- Magenta (88%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6678, 0.2366, 0.1153 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 10.6678, 0.2366, 0.1153 by changing the saturation by 10% instead.


 10.6678, 0.2366,
0.1153


 10.6678, 0.2366,
0.1153


195.3741, 0.2854,
0.2190


 5.8439, 0.2216,
0.0932


 27.0442, 0.2567,
0.1507


 2.7504, 0.2012,
0.0681


 39.3655, 0.2635,
0.1648

 1.0029, 0.1729,
0.0410

 54.9548, 0.2690,
0.1770

 0.0000, 0.1358,
0.0000

 74.1964, 0.2735,
0.1877

 0.0000, 0.0775,
0.0000

 97.4747, 0.2773,
0.1970

 0.0000, 0.0000,
0.0000

 125.1742, 0.2804,

0.2052

157.6792, 0.2831,
0.2125

■ 10.6678, 0.2366,
0.1153

■ 10.6678, 0.2366,
0.1153

■ 9.2768, 0.2266,
0.1039

■ 12.7989, 0.2472,
0.1319

■ 8.7988, 0.2224,
0.0999

■ 15.7873, 0.2581,
0.1531

■ 19.7297, 0.2688,
0.1781

■ 24.7093, 0.2789,
0.2054

■ 30.7997, 0.2881,
0.2337

■ 38.0679, 0.2964,
0.2621

■ 46.5753, 0.3036,
0.2895

■ 56.3792, 0.3097,
0.3154

■ 67.5329, 0.3149,
0.3394

Harmonies

Analogous

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



10.6678, 0.1179, 0.0913



10.6678, 0.2366, 0.1153



10.6678, 0.4481, 0.1722

Triad

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



10.6678, 0.2366, 0.1153



10.6678, 0.5626, 0.4374



10.6678, 0.0603, 0.2914

Complementary

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



10.6678, 0.2366, 0.1153



47.4976, 0.3310, 0.5633

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.



10.6678, 0.1260, 0.6103



10.6678, 0.2366, 0.1153



10.6678, 0.4031, 0.5969

Square

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



10.6678, 0.2366, 0.1153



10.6678, 0.6718, 0.3282



10.6678, 0.2519, 0.7481



10.6678, 0.0484, 0.1431

Rectangle

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



10.6678, 0.2366, 0.1153



10.6678, 0.5954, 0.2229



10.6678, 0.2519, 0.7481



10.6678, 0.0743, 0.3829

Sweetspot

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



10.6681, 0.2366, 0.1153



60.0517, 0.2958, 0.2600



14.6200, 0.1811, 0.1583



11.9435, 0.2930, 0.2501



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.



10.6681, 0.2366, 0.1153



13.9760, 0.2213, 0.0993



18.0116, 0.3392, 0.1709



11.7630, 0.3075, 0.3056



5.5975, 0.2236, 0.1006



0.3585, 0.2413, 0.1103

Inverse Universe

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



15.1303, 0.4976, 0.2637



22.2226, 0.5424, 0.2762



45.1068, 0.2977, 0.5757



11.8856, 0.3229, 0.3197



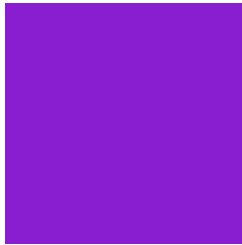
8.7682, 0.5359, 0.2726



0.5058, 0.4874, 0.2459

Previews

White Background



This preview shows how the Yxy color 10.6678, 0.2366, 0.1153 looks on a white background.

Color Contrast Check

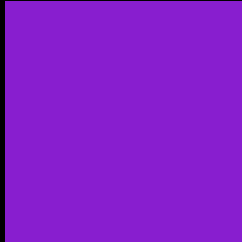
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.6678, 0.2366, 0.1153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

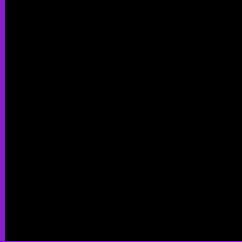
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6678, 0.2366, 0.1153

Background



This preview shows how black text looks on a background with the Yxy color 10.6678, 0.2366, 0.1153.



This preview shows how white text looks on a background with the Yxy color 10.6678, 0.2366, 0.1153.

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

10.6678, 0.2366, 0.1153

Protanopia

10.7756, 0.1747, 0.1488

Deuteranopia

10.8288, 0.1855, 0.1876



Tritanopia

10.6734, 0.3529, 0.3140

Trichromacy



Original Color

10.6678, 0.2366, 0.1153



Protanomaly

8.6074, 0.1766, 0.1158



Deuteranomaly

8.4141, 0.1829, 0.1320



Tritanomaly

9.4978, 0.3007, 0.2026

Monochromacy



Original Color

10.6678, 0.2366, 0.1153



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

7.9121, 0.2770, 0.1977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6678, 0.2366, 0.1153 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(136, 30, 207)` looks like.

```
.text, #text, p{  
    color:rgb(136, 30, 207)  
}
```

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(136, 30, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 30, 207) }
```

Border

The CSS property to change the border of an element to Yxy 10.6678, 0.2366, 0.1153 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(136, 30, 207) }
```

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

```
.border{ border-color:rgb(136, 30, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 30, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 30, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 30, 207); box-shadow:4px 4px 4px 4px rgb(136, 30, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6678, 0.2366, 0.1153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 30, 207) }
```

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

```
.background{ background-color: rgb(136, 30,  
207) }
```

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