

Converting Colors

$Y_{xy}(10.6462, 0.2268, 0.1023)$

Have a look what the booklet for
Yxy(10.6462, 0.2268, 0.1023)
contains.

Yxy(10.6772, 0.2270, 0.1024)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.6772, 0.2270, 0.1024)

Conversions

Conversions Part 1

Format	Color
Hex	8A00DE
RGB	138, 0, 222
RGB Percent	54%, 0%, 87%
CMY	0.4587, 1.0000, 0.1294
CMYK	0.38, 1.00, 0.00, 0.13
HSL	277°, 100%, 44%
HSV	277°, 100%, 87%
XYZ	23.6692, 10.6772, 69.9231
YIQ	66.5700, 10.9860, 98.2980

Conversions

Conversions Part 2

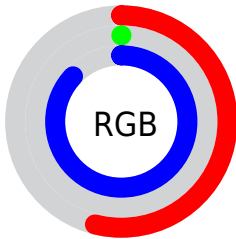
Format	Color
RYB	138, 0, 222
Decimal	9044190
CIELab	39.03, 77.37, -77.67
CIELCh	39, 109.627, 314.888
Yxy	10.6772, 0.2270, 0.1024
Android (android.graphics.Color)	4287234270 (0xFF8A00DE)
YUV	66.5700, 76.6270, 62.6441
Hunter-Lab	32.6760, 72.1153, -104.0011

Details

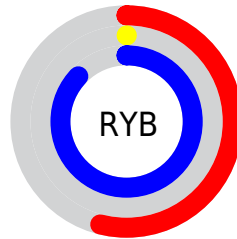
The Yxy color **10.6772, 0.2270, 0.1024** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **54.1284, 0.3209, 0.5834**, and the grayscale version is **5.4200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.2604, 0.2660, 0.1515**, and **4.2531, 0.1957, 0.0852** is the 20% darker color. If you saturate the color by 10%, you get **10.6796, 0.2270, 0.1024**, and if you desaturate by 10%, it is **12.0056, 0.2363, 0.1117**.

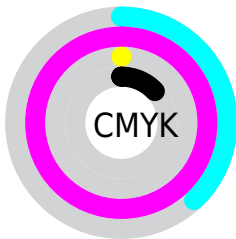
Distribution



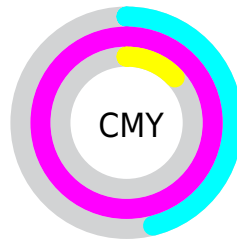
- Red (54%)
- Green (0%)
- Blue (87%)



- Red (54%)
- Yellow (0%)
- Blue (87%)



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)




- Cyan (46%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6772, 0.2270, 0.1024 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 10.6772, 0.2270, 0.1024 by changing the saturation by 10% instead.


 10.6772, 0.2270,
0.1024


 10.6772, 0.2270,
0.1024


195.4394, 0.2810,
0.2083


 5.8502, 0.2111,
0.0812


 27.0617, 0.2487,
0.1375


 2.7542, 0.1901,
0.0578


 39.3880, 0.2563,
0.1518


 1.0048, 0.1620,
0.0337

 54.9828, 0.2625,
0.1644

 0.0000, 0.1262,
0.0000

 74.2307, 0.2676,
0.1754

 0.0000, 0.0774,
0.0000

 97.5158, 0.2718,
0.1851

 0.0000, 0.0000,
0.0000

 125.2227, 0.2754,

0.1937

157.7358, 0.2784,
0.2014

■ 10.6772, 0.2270,
0.1024

■ 10.6772, 0.2270,
0.1024

■ 10.6796, 0.2270,
0.1024

■ 12.0056, 0.2363,
0.1117

■ 14.0564, 0.2463,
0.1255

■ 17.0509, 0.2566,
0.1443

■ 21.1133, 0.2668,
0.1673

■ 26.3485, 0.2767,
0.1934

■ 32.8485, 0.2858,
0.2212

■ 40.6959, 0.2940,
0.2495

■ 49.9660, 0.3012,
0.2774

■ 60.7287, 0.3075,
0.3040

Harmonies

Analogous

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



10.6772, 0.1052, 0.0790



10.6772, 0.2270, 0.1024



10.6772, 0.4582, 0.1594

Triad

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



10.6772, 0.2270, 0.1024



10.6772, 0.5721, 0.4279



10.6772, 0.0455, 0.2828

Complementary

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



10.6772, 0.2270, 0.1024



54.1284, 0.3209, 0.5834

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.



10.6772, 0.1053, 0.6523



10.6772, 0.2270, 0.1024



10.6772, 0.3941, 0.6059

Square

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



10.6772, 0.2270, 0.1024



10.6772, 0.6897, 0.3103



10.6772, 0.2253, 0.7747



10.6772, 0.0371, 0.1281

Rectangle

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



10.6772, 0.2270, 0.1024



10.6772, 0.6222, 0.2101



10.6772, 0.2253, 0.7747



10.6772, 0.0576, 0.3857

Sweetspot

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



10.6796, 0.2270, 0.1024



55.4389, 0.2938, 0.2489



11.7871, 0.1665, 0.1194



10.8436, 0.2905, 0.2368



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.



10.6796, 0.2270, 0.1024



14.5441, 0.2263, 0.1021



19.5205, 0.3531, 0.1719



13.6632, 0.3078, 0.3055



6.4088, 0.2283, 0.1031



0.4950, 0.2425, 0.1110

Inverse Universe

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



16.1700, 0.5496, 0.2801



22.1130, 0.5515, 0.2812



52.3188, 0.2979, 0.5924



13.7859, 0.3233, 0.3202



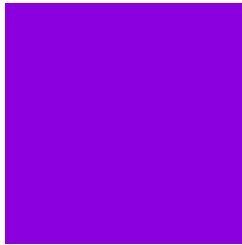
9.6242, 0.5457, 0.2780



0.6841, 0.5039, 0.2549

Previews

White Background



This preview shows how the Yxy color 10.6772, 0.2270, 0.1024 looks on a white background.

Color Contrast Check

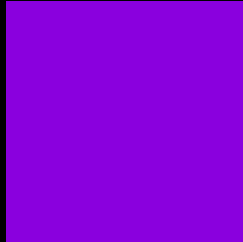
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.6772, 0.2270, 0.1024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

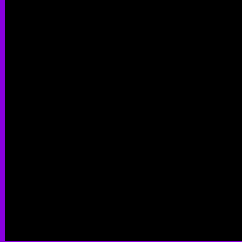
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6772, 0.2270, 0.1024

Background



This preview shows how black text looks on a background with the Yxy color 10.6772, 0.2270, 0.1024.



This preview shows how white text looks on a background with the Yxy color 10.6772, 0.2270, 0.1024.

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

10.6772, 0.2270, 0.1024

Protanopia

11.2438, 0.1749, 0.1496

Deuteranopia

11.0461, 0.1857, 0.1885



Tritanopia

11.0514, 0.3450, 0.3160

Trichromacy



Original Color

10.6772, 0.2270, 0.1024



Protanomaly

7.9685, 0.1726, 0.1019



Deuteranomaly

7.5184, 0.1779, 0.1139



Tritanomaly

8.6908, 0.2888, 0.1795

Monochromacy



Original Color

10.6772, 0.2270, 0.1024



Achromatopsia

5.6128, 0.3127, 0.3290



Achromatomaly

5.4850, 0.2652, 0.1625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6772, 0.2270, 0.1024 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(138, 0, 222)` looks like.

```
.text, #text, p{  
    color:rgb(138, 0, 222)  
}
```

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(138, 0, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 0, 222) }
```

Border

The CSS property to change the border of an element to Yxy 10.6772, 0.2270, 0.1024 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(138, 0, 222) }
```

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

```
.border{ border-color:rgb(138, 0, 222) }
```

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

Here you see how a box with a 4 pixel rgb(138, 0, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(138, 0,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6772, 0.2270, 0.1024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 0, 222) }
```

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

```
.background{ background-color: rgb(138, 0,  
222) }
```

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