

Converting Colors

$Y_{xy}(10.7629, 0.2280, 0.1030)$

Have a look what the booklet for
Yxy(10.7629, 0.2280, 0.1030)
contains.

Yxy(10.7629, 0.2280, 0.1030)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(10.7629, 0.2280, 0.1030)

Conversions

Conversions Part 1

Format	Color
Hex	8B00DE
RGB	139, 0, 222
RGB Percent	55%, 0%, 87%
CMY	0.4550, 0.9992, 0.1295
CMYK	0.37, 1.00, 0.00, 0.13
HSL	278°, 100%, 44%
HSV	278°, 100%, 87%
XYZ	23.8247, 10.7629, 69.9066
YIQ	66.8690, 11.5820, 98.5100

Conversions

Conversions Part 2

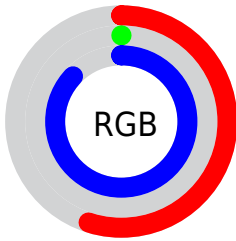
Format	Color
RYB	139, 0, 222
Decimal	9109726
CIELab	39.18, 77.42, -77.40
CIElCh	39, 109.477, 315.007
Yxy	10.7629, 0.2280, 0.1030
Android (android.graphics.Color)	4287299806 (0xFF8B00DE)
YUV	66.8690, 76.4796, 63.2589
Hunter-Lab	32.8069, 72.2165, -103.3735

Details

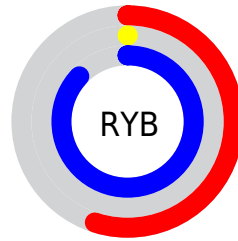
The Yxy color **10.7629, 0.2280, 0.1030** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **54.0749, 0.3206, 0.5836**, and the grayscale version is **5.4861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.3967, 0.2669, 0.1519**, and **4.2944, 0.1968, 0.0858** is the 20% darker color. If you saturate the color by 10%, you get **10.7518, 0.2279, 0.1029**, and if you desaturate by 10%, it is **12.0906, 0.2373, 0.1122**.

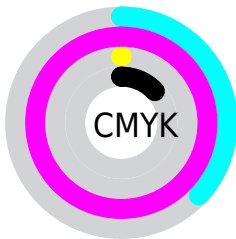
Distribution



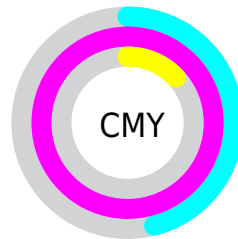
- Red (55%)
- Green (0%)
- Blue (87%)



- Red (55%)
- Yellow (0%)
- Blue (87%)



- Cyan (37%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7629, 0.2280, 0.1030 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 10.7629, 0.2280, 0.1030 by changing the saturation by 10% instead.


 10.7629, 0.2280,
0.1030


 10.7629, 0.2280,
0.1030


196.0336, 0.2814,
0.2087


 5.9076, 0.2123,
0.0818


 27.2209, 0.2495,
0.1381


 2.7890, 0.1914,
0.0584


 39.5924, 0.2571,
0.1523


 1.0226, 0.1634,
0.0342

 55.2381, 0.2631,
0.1648

 0.0000, 0.1278,
0.0000

 74.5424, 0.2682,
0.1758

 0.0000, 0.0790,
0.0000

 97.8898, 0.2723,
0.1855

 0.0000, 0.0000,
0.0000

 125.6645, 0.2759,

0.1941

158.2509, 0.2789,
0.2018

■ 10.7629, 0.2280,
0.1030

■ 10.7629, 0.2280,
0.1030

■ 10.7518, 0.2279,
0.1029

■ 12.0906, 0.2373,
0.1122

■ 14.1457, 0.2471,
0.1260

■ 17.1443, 0.2573,
0.1448

■ 21.2104, 0.2674,
0.1678

■ 26.4486, 0.2772,
0.1938

■ 32.9506, 0.2862,
0.2216

■ 40.7991, 0.2943,
0.2499

■ 50.0691, 0.3015,
0.2777

■ 60.8305, 0.3076,
0.3043

Harmonies

Analogous

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



10.7629, 0.1059, 0.0795



10.7629, 0.2280, 0.1030



10.7629, 0.4589, 0.1601

Triad

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



10.7629, 0.2280, 0.1030



10.7629, 0.5712, 0.4288



10.7629, 0.0459, 0.2822

Complementary

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



10.7629, 0.2280, 0.1030



54.0749, 0.3206, 0.5836

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.



10.7629, 0.1057, 0.6494



10.7629, 0.2280, 0.1030



10.7629, 0.3938, 0.6062

Square

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



10.7629, 0.2280, 0.1030



10.7629, 0.6888, 0.3112



10.7629, 0.2258, 0.7742



10.7629, 0.0375, 0.1284

Rectangle

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



10.7629, 0.2280, 0.1030



10.7629, 0.6220, 0.2109



10.7629, 0.2258, 0.7742



10.7629, 0.0580, 0.3843

Sweetspot

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



10.7632, 0.2280, 0.1030



55.4884, 0.2941, 0.2489



11.8051, 0.1666, 0.1195



10.8554, 0.2907, 0.2369



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.



10.7632, 0.2280, 0.1030



14.6482, 0.2273, 0.1026



19.5192, 0.3531, 0.1719



13.6660, 0.3078, 0.3055



6.4537, 0.2292, 0.1036



0.4979, 0.2433, 0.1114

Inverse Universe

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



16.1570, 0.5509, 0.2809



22.0943, 0.5531, 0.2821



52.3022, 0.2979, 0.5923



13.7850, 0.3234, 0.3203



9.6159, 0.5473, 0.2789



0.6835, 0.5053, 0.2557

Previews

White Background



This preview shows how the Yxy color 10.7629, 0.2280, 0.1030 looks on a white background.

Color Contrast Check

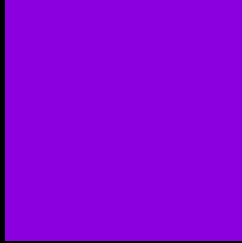
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.7629, 0.2280, 0.1030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

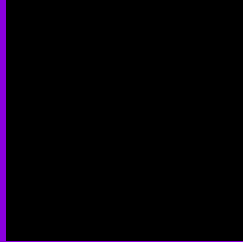
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.7629, 0.2280, 0.1030

Background



This preview shows how black text looks on a background with the Yxy color 10.7629, 0.2280, 0.1030.



This preview shows how white text looks on a background with the Yxy color 10.7629, 0.2280, 0.1030.

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

10.7629, 0.2280, 0.1030

Deuteranopia

11.2660, 0.1859, 0.1893

Tritanopia

11.1174, 0.3467, 0.3161

Trichromacy



Original Color

10.7629, 0.2280, 0.1030

Deuteranomaly

7.6942, 0.1785, 0.1149

Tritanomaly

8.7634, 0.2904, 0.1801

Monochromacy



Original Color

10.7629, 0.2280, 0.1030

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 10.7629, 0.2280, 0.1030 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(139, 0, 222)` looks like.

```
.text, #text, p{  
    color:rgb(139, 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(139, 0, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 0, 222) }
```

Border

The CSS property to change the border of an element to Yxy 10.7629, 0.2280, 0.1030 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(139, 0, 222) }
```

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

```
.border{ border-color:rgb(139, 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(139, 0, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(139, 0,  
222) }
```

Background

The CSS property to change the background color of an element to Yxy 10.7629, 0.2280, 0.1030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 0, 222) }
```

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

```
.background{ background-color: rgb(139, 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](#).

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