

Converting Colors

$Y_{xy}(10.8556, 0.2073, 0.0951)$

Have a look what the booklet for
Yxy(10.8556, 0.2073, 0.0951)
contains.

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Color

Yxy(10.8196, 0.2071, 0.0950)

Conversions

Conversions Part 1

Format	Color
Hex	7C15EB
RGB	124, 21, 235
RGB Percent	49%, 8%, 92%
CMY	0.5135, 0.9183, 0.0782
CMYK	0.47, 0.91, 0.00, 0.08
HSL	269°, 84%, 50%
HSV	269°, 91%, 92%
XYZ	23.5867, 10.8196, 79.4842
YIQ	76.1930, -7.3060, 88.3900

Conversions

Conversions Part 2

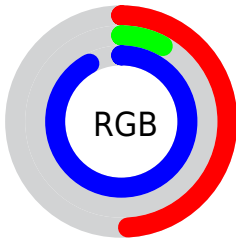
Format	Color
R_{YB}	124, 21, 235
Decimal	8132075
CIE _{Lab}	39.27, 75.95, -84.78
CIE _{LCh}	39, 113.825, 311.856
Yxy	10.8196, 0.2071, 0.0950
Android (android.graphics.Color)	4286322155 (0xFF7C15EB)
YUV	76.1930, 78.2919, 41.9267
Hunter-Lab	32.8932, 70.4341, -120.2452

Details

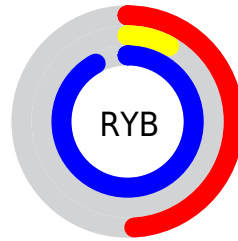
The Yxy color **10.8196, 0.2071, 0.0950** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **64.3937, 0.3428, 0.5609**, and the grayscale version is **7.1037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.4755, 0.2554, 0.1499**, and **4.0551, 0.1723, 0.0723** is the 20% darker color. If you saturate the color by 10%, you get **9.5292, 0.1973, 0.0861**, and if you desaturate by 10%, it is **13.0806, 0.2194, 0.1099**.

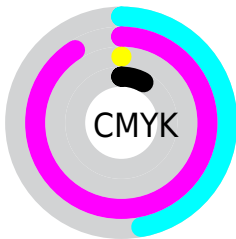
Distribution



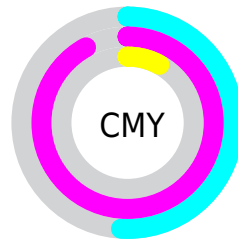
- Red (49%)
- Green (8%)
- Blue (92%)



- Red (49%)
- Yellow (8%)
- Blue (92%)



- Cyan (47%)
- Magenta (91%)
- Yellow (0%)
- Black (8%)





- Cyan (51%)
- Magenta (92%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.8196, 0.2071, 0.0950 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 10.8196, 0.2071, 0.0950 by changing the saturation by 10% instead.


 10.8196, 0.2071,
0.0950

 10.8196, 0.2071,
0.0950


196.4257, 0.2707,
0.2020

 5.9457, 0.1897,
0.0744


 27.3261, 0.2318,
0.1298


 2.8121, 0.1674,
0.0522


 39.7274, 0.2407,
0.1442


 1.0344, 0.1388,
0.0299

 55.4067, 0.2480,
0.1568

 0.0000, 0.1040,
0.0000

 74.7483, 0.2541,
0.1681

 0.0000, 0.0605,
0.0000

 98.1366, 0.2593,
0.1780

 0.0000, 0.0000,
0.0000

 125.9560, 0.2636,

0.1869

158.5909, 0.2674,
0.1948

■ 10.8196, 0.2071,
0.0950

■ 10.8196, 0.2071,
0.0950

■ 9.5292, 0.1973,
0.0861

■ 13.0806, 0.2194,
0.1099

■ 16.4495, 0.2328,
0.1305

■ 21.0759, 0.2466,
0.1556

■ 27.0851, 0.2601,
0.1840

■ 34.5866, 0.2729,
0.2139

■ 43.6786, 0.2846,
0.2440

■ 54.4507, 0.2951,
0.2732

■ 66.9855, 0.3041,
0.3008

■ 81.3603, 0.3119,
0.3262

Harmonies

Analogous

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



10.8196, 0.0942, 0.0748



10.8196, 0.2071, 0.0950



10.8196, 0.4339, 0.1485

Triad

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



10.8196, 0.2071, 0.0950



10.8196, 0.5903, 0.4097



10.8196, 0.0442, 0.3080

Complementary

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



10.8196, 0.2071, 0.0950



64.3937, 0.3428, 0.5609

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.



10.8196, 0.1086, 0.7020



10.8196, 0.2071, 0.0950



10.8196, 0.4108, 0.5892

Square

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



10.8196, 0.2071, 0.0950



10.8196, 0.7032, 0.2968



10.8196, 0.2310, 0.7690



10.8196, 0.0336, 0.1321

Rectangle

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



10.8196, 0.2071, 0.0950



10.8196, 0.6091, 0.1987



10.8196, 0.2310, 0.7690



10.8196, 0.0576, 0.4245

Sweetspot

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



10.8199, 0.2071, 0.0950



57.5115, 0.2890, 0.2559



23.5092, 0.1853, 0.1817



11.3995, 0.2853, 0.2458



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.



10.8199, 0.2071, 0.0950



11.4213, 0.1969, 0.0858



23.0112, 0.3132, 0.1526



14.9050, 0.3055, 0.3052



5.3759, 0.1990, 0.0870



0.4792, 0.2141, 0.0953

Inverse Universe

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



19.8627, 0.4712, 0.2419



22.9295, 0.4923, 0.2486



59.7483, 0.3012, 0.5932



15.1844, 0.3212, 0.3169



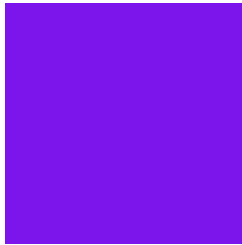
10.6346, 0.4879, 0.2462



0.8545, 0.4585, 0.2299

Previews

White Background



This preview shows how the Yxy color 10.8196, 0.2071, 0.0950 looks on a white background.

Color Contrast Check

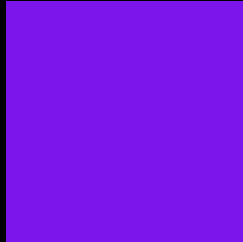
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8196, 0.2071, 0.0950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

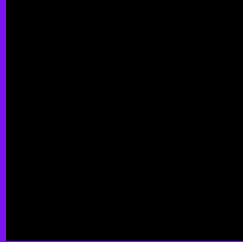
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8196, 0.2071, 0.0950

Background



This preview shows how black text looks on a background with the Yxy color 10.8196, 0.2071, 0.0950.



This preview shows how white text looks on a background with the Yxy color 10.8196, 0.2071, 0.0950.

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

10.8196, 0.2071, 0.0950

Protanopia

10.9865, 0.1749, 0.1496

Deuteranopia

10.9744, 0.1864, 0.1911



Tritanopia

10.8726, 0.2968, 0.3123

Trichromacy



Original Color

10.8196, 0.2071, 0.0950

Protanomaly

8.7947, 0.1716, 0.1069

Deuteranomaly

8.4883, 0.1770, 0.1212

Tritanomaly

9.0090, 0.2511, 0.1752

Monochromacy



Original Color

10.8196, 0.2071, 0.0950

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

6.8767, 0.2529, 0.1700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8196, 0.2071, 0.0950 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(124, 21, 235)` looks like.

```
.text, #text, p{  
    color:rgb(124, 21, 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(124, 21, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 21, 235) }
```

Border

The CSS property to change the border of an element to Yxy 10.8196, 0.2071, 0.0950 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(124, 21, 235) }
```

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

```
.border{ border-color:rgb(124, 21, 235) }
```

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

Here you see how a box with a 4 pixel rgb(124, 21, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 21, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 21, 235);  
box-shadow:4px 4px 4px 4px rgb(124, 21,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8196, 0.2071, 0.0950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 21, 235) }
```

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

```
.background{ background-color: rgb(124, 21,  
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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