

Converting Colors

$Y_{xy}(10.8376, 0.2065, 0.0981)$

Have a look what the booklet for
Yxy(10.8376, 0.2065, 0.0981)
contains.

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Color

Yxy(10.8675, 0.2071, 0.0986)

Conversions

Conversions Part 1

Format	Color
Hex	7920E7
RGB	121, 32, 231
RGB Percent	47%, 13%, 91%
CMY	0.5256, 0.8745, 0.0940
CMYK	0.48, 0.86, 0.00, 0.09
HSL	267°, 81%, 52%
HSV	267°, 86%, 91%
XYZ	22.8262, 10.8675, 76.5244
YIQ	81.2970, -10.8350, 80.7570

Conversions

Conversions Part 2

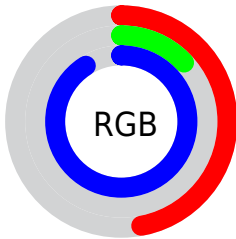
Format	Color
R _Y B	121, 32, 231
Decimal	7938279
CIE Lab	39.36, 72.19, -82.38
CIE LCh	39, 109.529, 311.228
Yxy	10.8675, 0.2071, 0.0986
Android (android.graphics.Color)	4286128359 (0xFF7920E7)
YUV	81.2970, 73.8036, 34.8195
Hunter-Lab	32.9659, 65.9062, -114.5550

Details

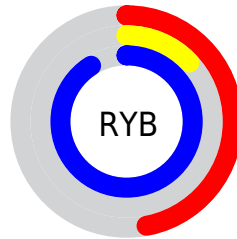
The Yxy color **10.8675, 0.2071, 0.0986** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **63.0353, 0.3496, 0.5506**, and the grayscale version is **8.1429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.9416, 0.2531, 0.1525**, and **3.8129, 0.1711, 0.0716** is the 20% darker color. If you saturate the color by 10%, you get **9.1652, 0.1952, 0.0863**, and if you desaturate by 10%, it is **13.5620, 0.2205, 0.1169**.

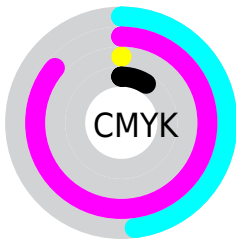
Distribution



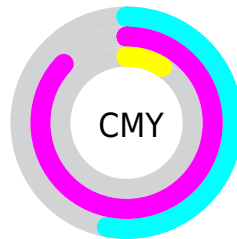
- Red (47%)
- Green (13%)
- Blue (91%)



- Red (47%)
- Yellow (13%)
- Blue (91%)



- Cyan (48%)
- Magenta (86%)
- Yellow (0%)
- Black (9%)




- Cyan (53%)
- Magenta (87%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8675, 0.2071, 0.0986 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 10.8675, 0.2071, 0.0986 by changing the saturation by 10% instead.


 10.8675, 0.2071,
0.0986


 10.8675, 0.2071,
0.0986


196.7563, 0.2706,
0.2052


 5.9778, 0.1896,
0.0777


 27.4149, 0.2318,
0.1336


 2.8316, 0.1672,
0.0550


 39.8414, 0.2407,
0.1480

 1.0445, 0.1382,
0.0318

 55.5489, 0.2480,
0.1606

 0.0000, 0.1030,
0.0000

 74.9219, 0.2541,
0.1717

 0.0000, 0.0578,
0.0000

 98.3447, 0.2592,
0.1816

 0.0000, 0.0000,
0.0000

 126.2018, 0.2636,

0.1904

158.8775, 0.2673,
0.1982

■ 10.8675, 0.2071,
0.0986

■ 10.8675, 0.2071,
0.0986

■ 9.1652, 0.1952,
0.0863

■ 13.5620, 0.2205,
0.1169

■ 8.6713, 0.1910,
0.0826

■ 17.4098, 0.2348,
0.1404

■ 22.5423, 0.2494,
0.1679

■ 29.0720, 0.2634,
0.1978

■ 37.0987, 0.2765,
0.2284

■ 46.7129, 0.2884,
0.2585

■ 57.9977, 0.2988,
0.2871

■ 71.0302, 0.3078,
0.3138

■ 85.8828, 0.3155,
0.3381

Harmonies

Analogous

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



10.8675, 0.0969, 0.0788



10.8675, 0.2071, 0.0986



10.8675, 0.4251, 0.1515

Triad

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



10.8675, 0.2071, 0.0986



10.8675, 0.5897, 0.4103



10.8675, 0.0501, 0.3173

Complementary

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



10.8675, 0.2071, 0.0986



63.0353, 0.3496, 0.5506

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.



10.8675, 0.1189, 0.6921



10.8675, 0.2071, 0.0986



10.8675, 0.4178, 0.5822

Square

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



10.8675, 0.2071, 0.0986



10.8675, 0.6982, 0.3018



10.8675, 0.2438, 0.7562



10.8675, 0.0372, 0.1396

Rectangle

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



10.8675, 0.2071, 0.0986



10.8675, 0.5948, 0.2015



10.8675, 0.2438, 0.7562



10.8675, 0.0648, 0.4307

Sweetspot

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



10.8678, 0.2071, 0.0986



58.4434, 0.2884, 0.2585



26.2658, 0.1921, 0.2009



11.5630, 0.2844, 0.2481



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.



10.8678, 0.2071, 0.0986



10.7961, 0.1905, 0.0823



21.6750, 0.3063, 0.1516



14.2009, 0.3050, 0.3052



4.9307, 0.1927, 0.0835



0.4188, 0.2090, 0.0925

Inverse Universe

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



19.9839, 0.4472, 0.2329



23.1837, 0.4773, 0.2403



57.8420, 0.3032, 0.5858



14.5008, 0.3206, 0.3161



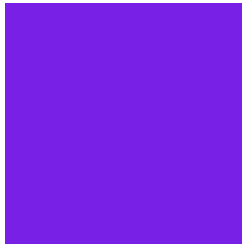
10.4196, 0.4731, 0.2380



0.7886, 0.4448, 0.2224

Previews

White Background



This preview shows how the Yxy color 10.8675, 0.2071, 0.0986 looks on a white background.

Color Contrast Check

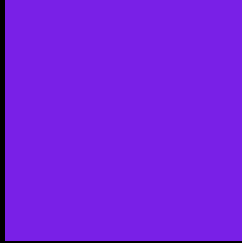
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8675, 0.2071, 0.0986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

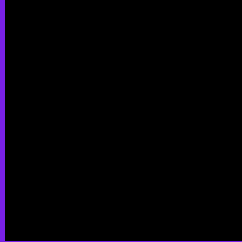
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8675, 0.2071, 0.0986

Background



This preview shows how black text looks on a background with the Yxy color 10.8675, 0.2071, 0.0986.



This preview shows how white text looks on a background with the Yxy color 10.8675, 0.2071, 0.0986.

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

10.8675, 0.2071, 0.0986

Protanopia

10.9865, 0.1749, 0.1496

Deuteranopia

10.9744, 0.1864, 0.1911



Tritanopia

10.9712, 0.2926, 0.3122

Trichromacy



Original Color

10.8675, 0.2071, 0.0986



Protanomaly

9.1513, 0.1729, 0.1125



Deuteranomaly

8.8884, 0.1787, 0.1282



Tritanomaly

9.2972, 0.2490, 0.1817

Monochromacy



Original Color

10.8675, 0.2071, 0.0986



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

7.8194, 0.2564, 0.1815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8675, 0.2071, 0.0986 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(121, 32, 231)` looks like.

```
.text, #text, p{  
    color:rgb(121, 32, 231)  
}
```

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(121, 32, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 32, 231) }
```

Border

The CSS property to change the border of an element to Yxy 10.8675, 0.2071, 0.0986 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(121, 32, 231) }
```

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

```
.border{ border-color:rgb(121, 32, 231) }
```

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

Here you see how a box with a 4 pixel rgb(121, 32, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 32, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 32, 231);  
box-shadow:4px 4px 4px 4px rgb(121, 32,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8675, 0.2071, 0.0986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 32, 231) }
```

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

```
.background{ background-color: rgb(121, 32,  
231) }
```

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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