

Converting Colors

$Y_{xy}(10.8707, 0.2197, 0.0984)$

Have a look what the booklet for
Yxy(10.8707, 0.2197, 0.0984)
contains.

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Color

Yxy(10.8641, 0.2190, 0.0980)

Conversions

Conversions Part 1

Format	Color
Hex	8700E6
RGB	135, 0, 230
RGB Percent	53%, 0%, 90%
CMY	0.4706, 1.0000, 0.0978
CMYK	0.41, 1.00, 0.00, 0.10
HSL	275°, 100%, 45%
HSV	275°, 100%, 90%
XYZ	24.2779, 10.8641, 75.7161
YIQ	66.5850, 6.6300, 100.1500

Conversions

Conversions Part 2

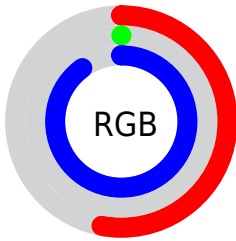
Format	Color
R_{YB}	135, 0, 230
Decimal	8847590
CIE _{Lab}	39.35, 78.66, -81.76
CIE _{LCh}	39, 113.457, 313.895
Yxy	10.8641, 0.2190, 0.0980
Android (android.graphics.Color)	4287037670 (0xFF8700E6)
YUV	66.5850, 80.5636, 60.0000
Hunter-Lab	32.9607, 73.7967, -113.1262

Details

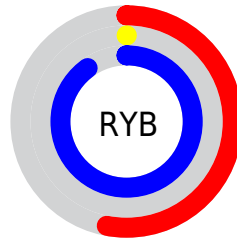
The Yxy color **10.8641, 0.2190, 0.0980** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **59.0572, 0.3247, 0.5804**, and the grayscale version is **5.4156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.9903, 0.2641, 0.1506**, and **4.3567, 0.1866, 0.0802** is the 20% darker color. If you saturate the color by 10%, you get **10.8657, 0.2190, 0.0980**, and if you desaturate by 10%, it is **12.3027, 0.2289, 0.1076**.

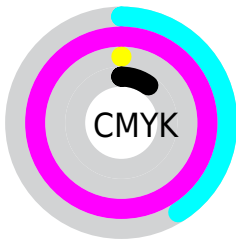
Distribution



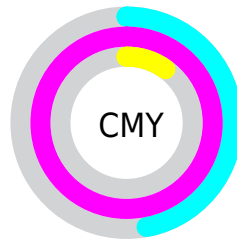
- Red (53%)
- Green (0%)
- Blue (90%)



- Red (53%)
- Yellow (0%)
- Blue (90%)



- Cyan (41%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)




- Cyan (47%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.8641, 0.2190, 0.0980 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 10.8641, 0.2190, 0.0980 by changing the saturation by 10% instead.


 10.8641, 0.2190,
0.0980


 10.8641, 0.2190,
0.0980


196.7328, 0.2769,
0.2043


 5.9755, 0.2026,
0.0773


 27.4086, 0.2419,
0.1328


 2.8302, 0.1812,
0.0547


 39.8333, 0.2500,
0.1471


 1.0437, 0.1531,
0.0317

 55.5388, 0.2567,
0.1597

 0.0000, 0.1181,
0.0000

 74.9096, 0.2622,
0.1708

 0.0000, 0.0724,
0.0000

 98.3300, 0.2667,
0.1806

 0.0000, 0.0000,
0.0000

 126.1844, 0.2706,

0.1894

158.8572, 0.2740,
0.1972

■ 10.8641, 0.2190,
0.0980

■ 10.8641, 0.2190,
0.0980

■ 10.8657, 0.2190,
0.0980

■ 12.3027, 0.2289,
0.1076

■ 14.5406, 0.2396,
0.1218

■ 17.8139, 0.2508,
0.1413

■ 22.2591, 0.2620,
0.1649

■ 27.9912, 0.2728,
0.1917

■ 35.1109, 0.2829,
0.2201

■ 43.7088, 0.2920,
0.2489

■ 53.8675, 0.3000,
0.2771

■ 65.6634, 0.3069,
0.3039

Harmonies

Analogous

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



10.8641, 0.0996, 0.0758



10.8641, 0.2190, 0.0980



10.8641, 0.4522, 0.1539

Triad

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



10.8641, 0.2190, 0.0980



10.8641, 0.5796, 0.4204



10.8641, 0.0428, 0.2889

Complementary

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



10.8641, 0.2190, 0.0980



59.0572, 0.3247, 0.5804

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.



10.8641, 0.1029, 0.6756



10.8641, 0.2190, 0.0980



10.8641, 0.3978, 0.6022

Square

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



10.8641, 0.2190, 0.0980



10.8641, 0.6970, 0.3030



10.8641, 0.2225, 0.7775



10.8641, 0.0343, 0.1269

Rectangle

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



10.8641, 0.2190, 0.0980



10.8641, 0.6227, 0.2044



10.8641, 0.2225, 0.7775



10.8641, 0.0549, 0.3980

Sweetspot

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



10.8657, 0.2190, 0.0980



55.0098, 0.2918, 0.2484



14.0550, 0.1691, 0.1288



10.7415, 0.2881, 0.2362



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.



10.8657, 0.2190, 0.0980



13.6687, 0.2185, 0.0977



21.5282, 0.3434, 0.1665



14.3029, 0.3072, 0.3054



6.2219, 0.2205, 0.0988



0.5139, 0.2348, 0.1067

Inverse Universe

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



17.6585, 0.5358, 0.2725



22.2876, 0.5372, 0.2733



56.6685, 0.2987, 0.5955



14.4663, 0.3228, 0.3193



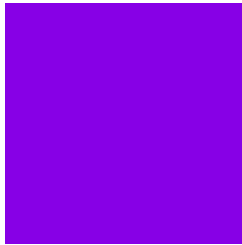
10.0154, 0.5318, 0.2703



0.7582, 0.4939, 0.2494

Previews

White Background



This preview shows how the Yxy color 10.8641, 0.2190, 0.0980 looks on a white background.

Color Contrast Check

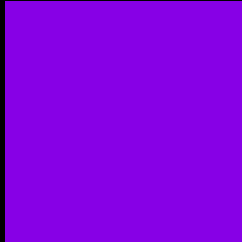
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8641, 0.2190, 0.0980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

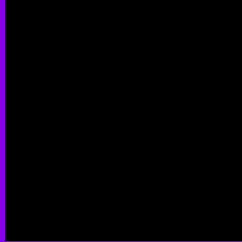
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8641, 0.2190, 0.0980

Background



This preview shows how black text looks on a background with the Yxy color 10.8641, 0.2190, 0.0980.



This preview shows how white text looks on a background with the Yxy color 10.8641, 0.2190, 0.0980.

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

10.8641, 0.2190, 0.0980

Protanopia

11.2879, 0.1747, 0.1487

Deuteranopia

11.2660, 0.1859, 0.1893



Tritanopia

11.2396, 0.3279, 0.3135

Trichromacy



Original Color

10.8641, 0.2190, 0.0980



Protanomaly

8.1353, 0.1713, 0.1001



Deuteranomaly

7.7723, 0.1766, 0.1127



Tritanomaly

8.7525, 0.2760, 0.1736

Monochromacy



Original Color

10.8641, 0.2190, 0.0980



Achromatopsia

5.6128, 0.3127, 0.3290



Achromatomaly

5.5094, 0.2593, 0.1580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8641, 0.2190, 0.0980 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(135, 0, 230)` looks like.

```
.text, #text, p{  
  color:rgb(135, 0, 230)  
}
```

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(135, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 230) }
```

Border

The CSS property to change the border of an element to Yxy 10.8641, 0.2190, 0.0980 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(135, 0, 230) }
```

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

```
.border{ border-color:rgb(135, 0, 230) }
```

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

Here you see how a box with a 4 pixel rgb(135, 0, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(135, 0,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8641, 0.2190, 0.0980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 0, 230) }
```

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

```
.background{ background-color: rgb(135, 0,  
230) }
```

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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