

Converting Colors

$Y_{xy}(10.2512, 0.2156, 0.0961)$

Have a look what the booklet for
Yxy(10.2512, 0.2156, 0.0961)
contains.

Yxy(10.2919, 0.2160, 0.0964)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.2919, 0.2160, 0.0964)

Conversions

Conversions Part 1

Format	Color
Hex	8200E3
RGB	130, 0, 227
RGB Percent	51%, 0%, 89%
CMY	0.4904, 0.9989, 0.1100
CMYK	0.43, 1.00, 0.00, 0.11
HSL	274°, 100%, 45%
HSV	274°, 100%, 89%
XYZ	23.0607, 10.2919, 73.4099
YIQ	64.7480, 4.6130, 98.1570

Conversions

Conversions Part 2

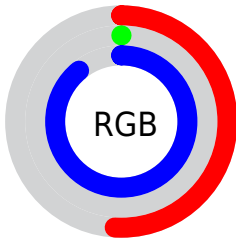
Format	Color
R_{YB}	130, 0, 227
Decimal	8519907
CIE Lab	38.36, 77.54, -81.65
CIE LCh	38, 112.596, 313.521
Yxy	10.2919, 0.2160, 0.0964
Android (android.graphics.Color)	4286709987 (0xFF8200E3)
YUV	64.7480, 79.9902, 57.2260
Hunter-Lab	32.0810, 72.1689, -113.2146

Details

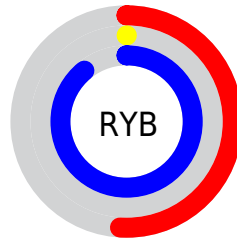
The Yxy color **10.2919, 0.2160, 0.0964** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **57.4696, 0.3265, 0.5789**, and the grayscale version is **5.1457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.1812, 0.2595, 0.1477**, and **4.0261, 0.1823, 0.0778** is the 20% darker color. If you saturate the color by 10%, you get **10.2765, 0.2159, 0.0963**, and if you desaturate by 10%, it is **11.7022, 0.2262, 0.1062**.

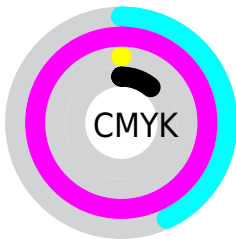
Distribution



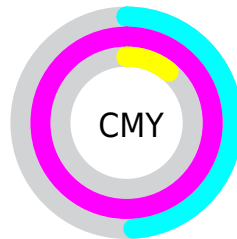
- Red (51%)
- Green (0%)
- Blue (89%)



- Red (51%)
- Yellow (0%)
- Blue (89%)



- Cyan (43%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)





- Cyan (49%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2919, 0.2160, 0.0964 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 10.2919, 0.2160, 0.0964 by changing the saturation by 10% instead.


 10.2919, 0.2160,
0.0964

 10.2919, 0.2160,
0.0964

192.7429, 0.2758,
0.2040


 5.5929, 0.1990,
0.0754


 26.3431, 0.2397,
0.1317


 2.5992, 0.1768,
0.0526


 38.4641, 0.2481,
0.1462


 0.9262, 0.1479,
0.0296

 53.8279, 0.2549,
0.1589

 0.0000, 0.1117,
0.0000

 72.8190, 0.2606,
0.1702

 0.0000, 0.0648,
0.0000

 95.8216, 0.2653,
0.1801

 0.0000, 0.0000,
0.0000

 123.2202, 0.2694,

0.1890

155.3991, 0.2728,
0.1969

■ 10.2919, 0.2160,
0.0964

■ 10.2919, 0.2160,
0.0964

■ 10.2765, 0.2159,
0.0963

■ 11.7022, 0.2262,
0.1062

■ 13.8975, 0.2371,
0.1208

■ 17.1028, 0.2487,
0.1405

■ 21.4499, 0.2602,
0.1645

■ 27.0498, 0.2714,
0.1915

■ 34.0001, 0.2818,
0.2202

■ 42.3885, 0.2912,
0.2491

■ 52.2949, 0.2995,
0.2774

■ 63.7934, 0.3067,
0.3043

Harmonies

Analogous

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



10.2919, 0.0976, 0.0746



10.2919, 0.2160, 0.0964



10.2919, 0.4498, 0.1518

Triad

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



10.2919, 0.2160, 0.0964



10.2919, 0.5824, 0.4176



10.2919, 0.0419, 0.2914

Complementary

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



10.2919, 0.2160, 0.0964



57.4696, 0.3265, 0.5789

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.



10.2919, 0.1020, 0.6845



10.2919, 0.2160, 0.0964



10.2919, 0.3993, 0.6007

Square

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



10.2919, 0.2160, 0.0964



10.2919, 0.6997, 0.3003



10.2919, 0.2216, 0.7784



10.2919, 0.0333, 0.1265

Rectangle

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



10.2919, 0.2160, 0.0964



10.2919, 0.6227, 0.2023



10.2919, 0.2216, 0.7784



10.2919, 0.0540, 0.4029

Sweetspot

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



10.2922, 0.2160, 0.0964



54.8316, 0.2910, 0.2482



14.3756, 0.1707, 0.1342



10.6991, 0.2871, 0.2359



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.



10.2922, 0.2160, 0.0964



13.3204, 0.2153, 0.0960



21.0748, 0.3386, 0.1639



14.2921, 0.3070, 0.3053



6.0662, 0.2173, 0.0971



0.5028, 0.2319, 0.1051

Inverse Universe

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



17.1976, 0.5291, 0.2689



22.3666, 0.5310, 0.2699



54.9499, 0.2991, 0.5965



14.4699, 0.3226, 0.3190



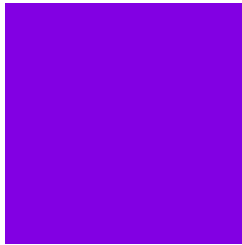
10.0514, 0.5257, 0.2670



0.7611, 0.4886, 0.2465

Previews

White Background



This preview shows how the Yxy color 10.2919, 0.2160, 0.0964 looks on a white background.

Color Contrast Check

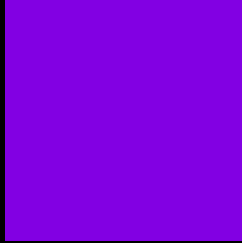
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2919, 0.2160, 0.0964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

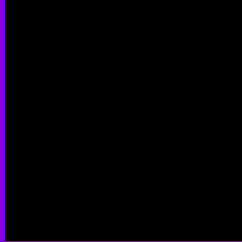
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2919, 0.2160, 0.0964

Background



This preview shows how black text looks on a background with the Yxy color 10.2919, 0.2160, 0.0964.



This preview shows how white text looks on a background with the Yxy color 10.2919, 0.2160, 0.0964.

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

10.2919, 0.2160, 0.0964

Protanopia

10.7326, 0.1749, 0.1497

Deuteranopia

10.7225, 0.1866, 0.1917



Tritanopia

10.6803, 0.3215, 0.3152

Trichromacy



Original Color

10.2919, 0.2160, 0.0964



Protanomaly

7.7949, 0.1710, 0.1002



Deuteranomaly

7.4025, 0.1766, 0.1138



Tritanomaly

8.2889, 0.2694, 0.1721

Monochromacy



Original Color

10.2919, 0.2160, 0.0964



Achromatopsia

5.2861, 0.3127, 0.3290



Achromatomaly

5.1650, 0.2565, 0.1550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2919, 0.2160, 0.0964 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(130, 0, 227)` looks like.

```
.text, #text, p{  
    color:rgb(130, 0, 227)  
}
```

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(130, 0, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 0, 227) }
```

Border

The CSS property to change the border of an element to Yxy 10.2919, 0.2160, 0.0964 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(130, 0, 227) }
```

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

```
.border{ border-color:rgb(130, 0, 227) }
```

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

Here you see how a box with a 4 pixel rgb(130, 0, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 0, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 0, 227);  
box-shadow:4px 4px 4px 4px rgb(130, 0,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2919, 0.2160, 0.0964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 0, 227) }
```

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

```
.background{ background-color: rgb(130, 0,  
227) }
```

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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