

Converting Colors

$Y_{xy}(12.0083, 0.2028, 0.0891)$

Have a look what the booklet for
Yxy(12.0083, 0.2028, 0.0891)
contains.

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Color

Yxy(12.0453, 0.2031, 0.0893)

Conversions

Conversions Part 1

Format	Color
Hex	8300FF
RGB	131, 0, 255
RGB Percent	51%, 0%, 100%
CMY	0.4865, 0.9984, 0.0002
CMYK	0.49, 1.00, 0.00, 0.00
HSL	271°, 100%, 50%
HSV	271°, 100%, 100%
XYZ	27.3953, 12.0453, 95.4452
YIQ	68.2390, -3.7790, 107.0770

Conversions

Conversions Part 2

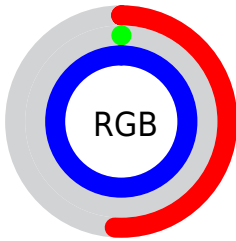
Format	Color
R_{YB}	131, 0, 255
Decimal	8585471
CIE _{Lab}	41.29, 83.35, -92.64
CIE _{LCh}	41, 124.613, 311.979
Yxy	12.0453, 0.2031, 0.0893
Android (android.graphics.Color)	4286775551 (0xFF8300FF)
YUV	68.2390, 92.0732, 55.0414
Hunter-Lab	34.7063, 80.1621, -138.7577

Details

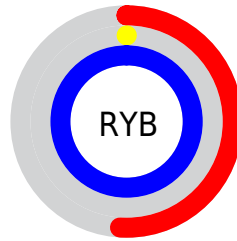
The Yxy color **12.0453, 0.2031, 0.0893** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **75.8044, 0.3336, 0.5732**, and the grayscale version is **5.7069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.0086, 0.2633, 0.1508**, and **4.9919, 0.1704, 0.0712** is the 20% darker color. If you saturate the color by 10%, you get **12.0211, 0.2029, 0.0892**, and if you desaturate by 10%, it is **13.8225, 0.2139, 0.0992**.

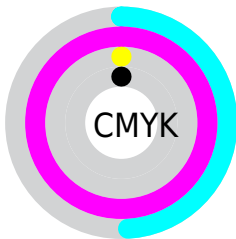
Distribution



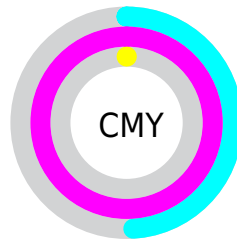
- Red (51%)
- Green (0%)
- Blue (100%)



- Red (51%)
- Yellow (0%)
- Blue (100%)



- Cyan (49%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0453, 0.2031, 0.0893 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 12.0453, 0.2031, 0.0893 by changing the saturation by 10% instead.


 12.0453, 0.2031,
0.0893


 12.0453, 0.2031,
0.0893


204.7050, 0.2675,
0.1944


 6.7745, 0.1863,
0.0701


 29.5776, 0.2276,
0.1225


 3.3215, 0.1651,
0.0496


 42.6079, 0.2366,
0.1365

 1.3018, 0.1385,
0.0292


 58.9935, 0.2440,
0.1490

 0.1426, 0.1064,
0.0051

 79.1188, 0.2503,
0.1602

 0.0000, 0.0676,
0.0000

 103.3682, 0.2556,
0.1701

 0.0000, 0.0071,
0.0000

 132.1261, 0.2602,

 0.0000, 0.0000,

0.1791

0.0000

165.7769, 0.2641,
0.1871

■ 12.0453, 0.2031,
0.0893

■ 12.0453, 0.2031,
0.0893

■ 12.0211, 0.2029,
0.0892

■ 13.8225, 0.2139,
0.0992

■ 16.6645, 0.2260,
0.1144

■ 20.8554, 0.2389,
0.1351

■ 26.5726, 0.2520,
0.1602

■ 33.9659, 0.2648,
0.1884

■ 43.1661, 0.2768,
0.2180

■ 54.2910, 0.2877,
0.2479

■ 67.4480, 0.2973,
0.2768

■ 82.7365, 0.3057,
0.3041

Harmonies

Analogous

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



12.0453, 0.0888, 0.0693



12.0453, 0.2031, 0.0893



12.0453, 0.4397, 0.1427

Triad

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



12.0453, 0.2031, 0.0893



12.0453, 0.5949, 0.4051



12.0453, 0.0373, 0.3020

Complementary

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



12.0453, 0.2031, 0.0893



75.8044, 0.3336, 0.5732

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.



12.0453, 0.0969, 0.7244



12.0453, 0.2031, 0.0893



12.0453, 0.4055, 0.5945

Square

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



12.0453, 0.2031, 0.0893



12.0453, 0.7120, 0.2880



12.0453, 0.2165, 0.7835



12.0453, 0.0288, 0.1241

Rectangle

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



12.0453, 0.2031, 0.0893



12.0453, 0.6237, 0.1927



12.0453, 0.2165, 0.7835



12.0453, 0.0492, 0.4250

Sweetspot

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



12.0456, 0.2031, 0.0893



54.1239, 0.2875, 0.2474



22.5732, 0.1764, 0.1548



10.5314, 0.2831, 0.2349



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.



12.0456, 0.2031, 0.0893



12.0265, 0.2029, 0.0892



28.4757, 0.3209, 0.1542



17.8357, 0.3060, 0.3050



6.3734, 0.2046, 0.0901



0.6856, 0.2167, 0.0968

Inverse Universe

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



22.7248, 0.5053, 0.2558



22.7212, 0.5057, 0.2559



71.4908, 0.3000, 0.5999



18.1346, 0.3217, 0.3175



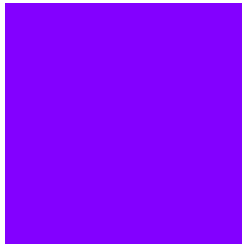
11.9023, 0.5019, 0.2538



1.1809, 0.4757, 0.2394

Previews

White Background



This preview shows how the Yxy color 12.0453, 0.2031, 0.0893 looks on a white background.

Color Contrast Check

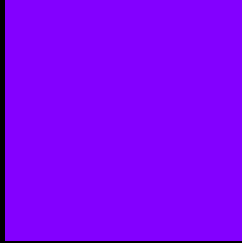
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0453, 0.2031, 0.0893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

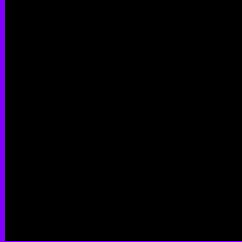
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0453, 0.2031, 0.0893

Background



This preview shows how black text looks on a background with the Yxy color 12.0453, 0.2031, 0.0893.



This preview shows how white text looks on a background with the Yxy color 12.0453, 0.2031, 0.0893.

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

12.0453, 0.2031, 0.0893

Protanopia

12.3545, 0.1746, 0.1486

Deuteranopia

12.2476, 0.1861, 0.1899



Tritanopia

12.2094, 0.2908, 0.3106

Trichromacy



Original Color

12.0453, 0.2031, 0.0893



Protanomaly

9.1332, 0.1689, 0.0976



Deuteranomaly

8.5594, 0.1734, 0.1082



Tritanomaly

9.1924, 0.2436, 0.1582

Monochromacy



Original Color

12.0453, 0.2031, 0.0893



Achromatopsia

5.7805, 0.3127, 0.3290



Achromatomaly

5.7295, 0.2452, 0.1460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0453, 0.2031, 0.0893 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(131, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 0, 255)  
}
```

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(131, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 12.0453, 0.2031, 0.0893 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(131, 0, 255) }
```

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

```
.border{ border-color:rgb(131, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 0,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0453, 0.2031, 0.0893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 0, 255) }
```

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

```
.background{ background-color: rgb(131, 0,  
255) }
```

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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