

Converting Colors

$Yxy(13.1234, 0.2122, 0.0951)$

Have a look what the booklet for
Yxy(13.1234, 0.2122, 0.0951)
contains.

Yxy(13.1227, 0.2122, 0.0951)	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(13.1227, 0.2122, 0.0951)

Conversions

Conversions Part 1

Format	Color
Hex	8E07FF
RGB	142, 7, 255
RGB Percent	56%, 3%, 100%
CMY	0.4431, 0.9726, 0.0001
CMYK	0.44, 0.97, 0.00, 0.00
HSL	273°, 100%, 51%
HSV	273°, 97%, 100%
XYZ	29.2811, 13.1227, 95.5846
YIQ	75.6370, 0.8520, 105.7480

Conversions

Conversions Part 2

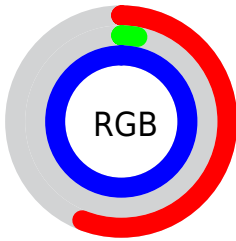
Format	Color
RYB	142, 7, 255
Decimal	9308159
CIELab	42.95, 83.61, -89.87
CIELCh	43, 122.745, 312.933
Yxy	13.1227, 0.2122, 0.0951
Android (android.graphics.Color)	4287498239 (0xFF8E07FF)
YUV	75.6370, 88.4260, 58.2004
Hunter-Lab	36.2253, 80.8886, -131.0859

Details

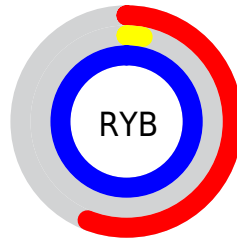
The Yxy color **13.1227, 0.2122, 0.0951** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **75.5150, 0.3310, 0.5741**, and the grayscale version is **6.9927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0155, 0.2727, 0.1580**, and **5.5271, 0.1810, 0.0771** is the 20% darker color. If you saturate the color by 10%, you get **12.6943, 0.2094, 0.0927**, and if you desaturate by 10%, it is **15.1121, 0.2230, 0.1058**.

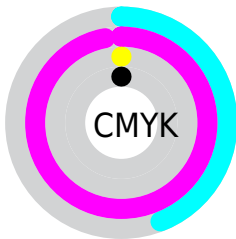
Distribution



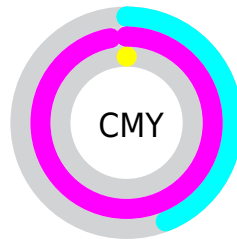
- Red (56%)
- Green (3%)
- Blue (100%)



- Red (56%)
- Yellow (3%)
- Blue (100%)



- Cyan (44%)
- Magenta (97%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (97%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1227, 0.2122, 0.0951 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 13.1227, 0.2122, 0.0951 by changing the saturation by 10% instead.


 13.1227, 0.2122,
0.0951


 13.1227, 0.2122,
0.0951


211.7025, 0.2717,
0.1980


 7.5131, 0.1964,
0.0759


 31.5240, 0.2349,
0.1279


 3.7850, 0.1764,
0.0552


 45.0846, 0.2433,
0.1416


 1.5540, 0.1509,
0.0341


 62.0642, 0.2501,
0.1538

 0.3263, 0.1192,
0.0113

 82.8473, 0.2559,
0.1647

 0.0000, 0.0803,
0.0000

 107.8183, 0.2608,
0.1744

 0.0000, 0.0259,
0.0000

 137.3616, 0.2649,

 0.0000, 0.0000,

0.1831

0.0000

171.8615, 0.2686,
0.1909

■ 13.1227, 0.2122,
0.0951

■ 13.1227, 0.2122,
0.0951

■ 12.6943, 0.2094,
0.0927

■ 15.1121, 0.2230,
0.1058

■ 18.2687, 0.2347,
0.1221

■ 22.8094, 0.2470,
0.1434

■ 28.9026, 0.2593,
0.1689

■ 36.6918, 0.2711,
0.1971

■ 46.3036, 0.2821,
0.2264

■ 57.8522, 0.2919,
0.2558

■ 71.4422, 0.3006,
0.2842

■ 87.1706, 0.3080,
0.3109

Harmonies

Analogous

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



13.1227, 0.0956, 0.0739



13.1227, 0.2122, 0.0951



13.1227, 0.4448, 0.1498

Triad

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



13.1227, 0.2122, 0.0951



13.1227, 0.5859, 0.4141



13.1227, 0.0418, 0.2965

Complementary

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



13.1227, 0.2122, 0.0951



75.5150, 0.3310, 0.5741

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.



13.1227, 0.1028, 0.6939



13.1227, 0.2122, 0.0951



13.1227, 0.4027, 0.5973

Square

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



13.1227, 0.2122, 0.0951



13.1227, 0.7022, 0.2978



13.1227, 0.2230, 0.7770



13.1227, 0.0327, 0.1274

Rectangle

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



13.1227, 0.2122, 0.0951



13.1227, 0.6198, 0.2002



13.1227, 0.2230, 0.7770



13.1227, 0.0541, 0.4106

Sweetspot

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



13.1230, 0.2122, 0.0951



55.7099, 0.2903, 0.2508



21.3594, 0.1750, 0.1484



10.8493, 0.2862, 0.2382



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.



13.1230, 0.2122, 0.0951



12.6959, 0.2094, 0.0927



28.1067, 0.3293, 0.1594



17.8651, 0.3065, 0.3050



6.7238, 0.2111, 0.0936



0.7196, 0.2228, 0.1001

Inverse Universe

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



22.7634, 0.5123, 0.2609



22.5245, 0.5193, 0.2634



71.5908, 0.2997, 0.5971



18.1247, 0.3222, 0.3182



11.7988, 0.5153, 0.2612



1.1705, 0.4875, 0.2459

Previews

White Background



This preview shows how the Yxy color 13.1227, 0.2122, 0.0951 looks on a white background.

Color Contrast Check

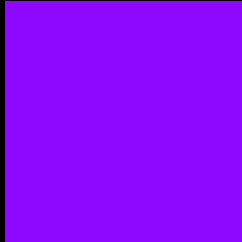
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1227, 0.2122, 0.0951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

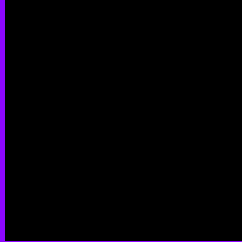
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1227, 0.2122, 0.0951

Background



This preview shows how black text looks on a background with the Yxy color 13.1227, 0.2122, 0.0951.



This preview shows how white text looks on a background with the Yxy color 13.1227, 0.2122, 0.0951.

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

13.1227, 0.2122, 0.0951

Protanopia

13.4287, 0.1748, 0.1493

Deuteranopia

13.3175, 0.1859, 0.1892



Tritanopia

13.3017, 0.3134, 0.3141

Trichromacy



Original Color

13.1227, 0.2122, 0.0951



Protanomaly

10.0083, 0.1709, 0.1017



Deuteranomaly

9.4425, 0.1757, 0.1130



Tritanomaly

10.4627, 0.2623, 0.1702

Monochromacy



Original Color

13.1227, 0.2122, 0.0951



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

7.0001, 0.2544, 0.1584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1227, 0.2122, 0.0951 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(142, 7, 255)` looks like.

```
.text, #text, p{  
  color:rgb(142, 7, 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(142, 7, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 7, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.1227, 0.2122, 0.0951 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(142, 7, 255) }
```

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

```
.border{ border-color:rgb(142, 7, 255) }
```

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

Here you see how a box with a 4 pixel rgb(142, 7, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 7, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 7, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 7,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1227, 0.2122, 0.0951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 7, 255) }
```

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

```
.background{ background-color: rgb(142, 7,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor