

Converting Colors

$Y_{xy}(12.8297, 0.2107, 0.0934)$

Have a look what the booklet for
Yxy(12.8297, 0.2107, 0.0934)
contains.

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Color

Yxy(12.7954, 0.2104, 0.0932)

Conversions

Conversions Part 1

Format	Color
Hex	8C00FF
RGB	140, 0, 255
RGB Percent	55%, 0%, 100%
CMY	0.4506, 1.0000, 0.0000
CMYK	0.45, 1.00, 0.00, 0.00
HSL	273°, 100%, 50%
HSV	273°, 100%, 100%
XYZ	28.8858, 12.7954, 95.6085
YIQ	70.9300, 1.5850, 108.9850

Conversions

Conversions Part 2

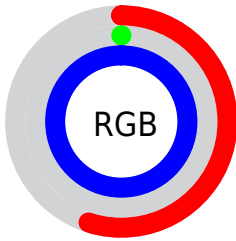
Format	Color
RYB	140, 0, 255
Decimal	9175295
CIELab	42.45, 84.21, -90.74
CIElCh	42, 123.792, 312.864
Yxy	12.7954, 0.2104, 0.0932
Android (android.graphics.Color)	4287365375 (0xFF8C00FF)
YUV	70.9300, 90.7465, 60.5744
Hunter-Lab	35.7707, 81.5448, -133.4321

Details

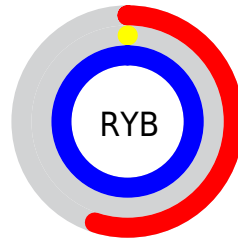
The Yxy color **12.7954, 0.2104, 0.0932** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **75.1578, 0.3288, 0.5771**, and the grayscale version is **6.1388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4135, 0.2708, 0.1557**, and **5.4477, 0.1795, 0.0762** is the 20% darker color. If you saturate the color by 10%, you get **12.8045, 0.2104, 0.0933**, and if you desaturate by 10%, it is **14.5731, 0.2209, 0.1029**.

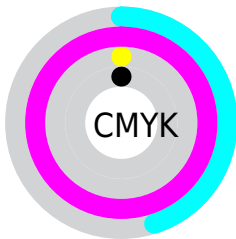
Distribution



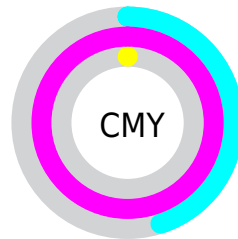
- Red (55%)
- Green (0%)
- Blue (100%)



- Red (55%)
- Yellow (0%)
- Blue (100%)



- Cyan (45%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7954, 0.2104, 0.0932 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 12.7954, 0.2104, 0.0932 by changing the saturation by 10% instead.


 12.7954, 0.2104,
0.0932

 12.7954, 0.2104,
0.0932


209.6022, 0.2710,
0.1967


 7.2878, 0.1944,
0.0740


 30.9357, 0.2335,
0.1261

 3.6427, 0.1741,
0.0534


 44.3372, 0.2420,
0.1399

 1.4758, 0.1483,
0.0325


 61.1389, 0.2490,
0.1522

 0.2716, 0.1165,
0.0095

 81.7250, 0.2549,
0.1631

 0.0000, 0.0775,
0.0000

 106.4800, 0.2598,
0.1729

 0.0000, 0.0220,
0.0000

 135.7882, 0.2641,

 0.0000, 0.0000,

0.1817

0.0000

170.0342, 0.2678,
0.1896

■ 12.7954, 0.2104,
0.0932

■ 12.7954, 0.2104,
0.0932

■ 12.8045, 0.2104,
0.0933

■ 14.5731, 0.2209,
0.1029

■ 17.3830, 0.2323,
0.1175

■ 21.5227, 0.2444,
0.1375

■ 27.1697, 0.2566,
0.1619

■ 34.4732, 0.2685,
0.1894

■ 43.5639, 0.2796,
0.2185

■ 54.5588, 0.2896,
0.2479

■ 67.5650, 0.2985,
0.2766

■ 82.6814, 0.3062,
0.3038

Harmonies

Analogous

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



12.7954, 0.0937, 0.0722



12.7954, 0.2104, 0.0932



12.7954, 0.4457, 0.1478

Triad

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



12.7954, 0.2104, 0.0932



12.7954, 0.5878, 0.4122



12.7954, 0.0397, 0.2956

Complementary

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



12.7954, 0.2104, 0.0932



75.1578, 0.3288, 0.5771

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.



12.7954, 0.0996, 0.7019



12.7954, 0.2104, 0.0932



12.7954, 0.4017, 0.5983

Square

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



12.7954, 0.2104, 0.0932



12.7954, 0.7051, 0.2949



12.7954, 0.2190, 0.7810



12.7954, 0.0312, 0.1253

Rectangle

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



12.7954, 0.2104, 0.0932



12.7954, 0.6236, 0.1981



12.7954, 0.2190, 0.7810



12.7954, 0.0517, 0.4120

Sweetspot

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



12.8045, 0.2104, 0.0933



54.5588, 0.2896, 0.2479



20.4137, 0.1732, 0.1434



10.6344, 0.2855, 0.2355



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.



12.8045, 0.2104, 0.0933



27.9446, 0.3296, 0.1589



17.8696, 0.3065, 0.3050



6.7806, 0.2121, 0.0942



0.7251, 0.2238, 0.1006

Inverse Universe

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



22.4954, 0.5214, 0.2646



71.5386, 0.2996, 0.5986



18.1232, 0.3223, 0.3183



11.7835, 0.5174, 0.2624



1.1690, 0.4894, 0.2470

Previews

White Background



This preview shows how the Yxy color 12.7954, 0.2104, 0.0932 looks on a white background.

Color Contrast Check

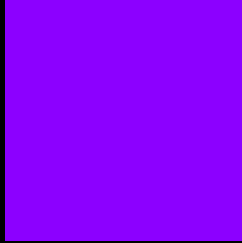
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7954, 0.2104, 0.0932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

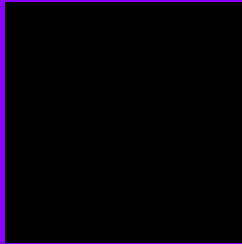
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.7954, 0.2104, 0.0932

Background



This preview shows how black text looks on a background with the Yxy color 12.7954, 0.2104, 0.0932.



This preview shows how white text looks on a background with the Yxy color 12.7954, 0.2104, 0.0932.

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

12.7954, 0.2104, 0.0932

Protanopia

13.1916, 0.1746, 0.1485

Deuteranopia

13.0750, 0.1857, 0.1884



Tritanopia

12.9885, 0.3106, 0.3117

Trichromacy



Original Color

12.7954, 0.2104, 0.0932

Protanomaly

9.5309, 0.1696, 0.0977

Deuteranomaly

9.0080, 0.1746, 0.1097

Tritanomaly

9.9798, 0.2593, 0.1650

Monochromacy



Original Color

12.7954, 0.2104, 0.0932

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.1985, 0.2509, 0.1503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7954, 0.2104, 0.0932 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(140, 0, 255)` looks like.

```
.text, #text, p{  
  color:rgb(140, 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(140, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 12.7954, 0.2104, 0.0932 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(140, 0, 255) }
```

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

```
.border{ border-color:rgb(140, 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(140, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 0,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 12.7954, 0.2104, 0.0932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 255) }
```

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

```
.background{ background-color: rgb(140, 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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