

Converting Colors

$Y_{xy}(12.5567, 0.2055, 0.0946)$

Have a look what the booklet for
Yxy(12.5567, 0.2055, 0.0946)
contains.

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Color

Yxy(12.5488, 0.2052, 0.0944)

Conversions

Conversions Part 1

Format	Color
Hex	8319FC
RGB	131, 25, 252
RGB Percent	51%, 10%, 99%
CMY	0.4864, 0.9019, 0.0116
CMYK	0.48, 0.90, 0.00, 0.01
HSL	268°, 97%, 54%
HSV	268°, 90%, 99%
XYZ	27.2777, 12.5488, 93.1057
YIQ	82.5720, -9.6910, 93.0690

Conversions

Conversions Part 2

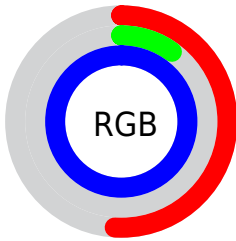
Format	Color
R_{YB}	131, 25, 252
Decimal	8591868
CIE _{Lab}	42.08, 79.48, -89.70
CIE _{LCh}	42, 119.849, 311.543
Yxy	12.5488, 0.2052, 0.0944
Android (android.graphics.Color)	4286781948 (0xFF8319FC)
YUV	82.5720, 83.5280, 42.4714
Hunter-Lab	35.4243, 75.4575, -131.0350

Details

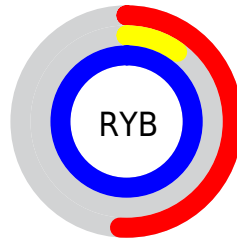
The Yxy color **12.5488, 0.2052, 0.0944** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **75.8301, 0.3452, 0.5585**, and the grayscale version is **8.3907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1715, 0.2628, 0.1562**, and **4.9192, 0.1724, 0.0723** is the 20% darker color. If you saturate the color by 10%, you get **10.8552, 0.1941, 0.0843**, and if you desaturate by 10%, it is **15.2969, 0.2179, 0.1100**.

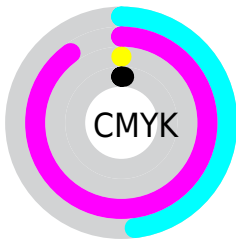
Distribution



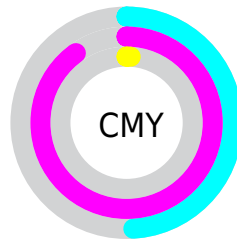
- Red (51%)
- Green (10%)
- Blue (99%)



- Red (51%)
- Yellow (10%)
- Blue (99%)



- Cyan (48%)
- Magenta (90%)
- Yellow (0%)
- Black (1%)




- Cyan (49%)
- Magenta (90%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5488, 0.2052, 0.0944 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 12.5488, 0.2052, 0.0944 by changing the saturation by 10% instead.


 12.5488, 0.2052,
0.0944


 12.5488, 0.2052,
0.0944


208.0054, 0.2683,
0.1985


 7.1186, 0.1886,
0.0749


 30.4908, 0.2292,
0.1277


 3.5364, 0.1677,
0.0539


 43.7713, 0.2380,
0.1416


 1.4178, 0.1412,
0.0327


 60.4374, 0.2453,
0.1539

 0.2298, 0.1089,
0.0084

 80.8735, 0.2514,
0.1649

 0.0000, 0.0697,
0.0000

 105.4640, 0.2566,
0.1747

 0.0000, 0.0061,
0.0000

 134.5932, 0.2611,

 0.0000, 0.0000,

0.1835

0.0000

168.6455, 0.2649,
0.1913

■ 12.5488, 0.2052,
0.0944

■ 12.5488, 0.2052,
0.0944

■ 10.8552, 0.1941,
0.0843

■ 15.2969, 0.2179,
0.1100

■ 19.3747, 0.2316,
0.1312

■ 24.9571, 0.2458,
0.1571

■ 32.1910, 0.2597,
0.1860

■ 41.2054, 0.2728,
0.2163

■ 52.1159, 0.2848,
0.2466

■ 65.0281, 0.2955,
0.2759

■ 80.0398, 0.3047,
0.3035

■ 97.2420, 0.3127,
0.3288

Harmonies

Analogous

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



12.5488, 0.0932, 0.0745



12.5488, 0.2052, 0.0944



12.5488, 0.4312, 0.1475

Triad

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



12.5488, 0.2052, 0.0944



12.5488, 0.5921, 0.4079



12.5488, 0.0442, 0.3110

Complementary

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



12.5488, 0.2052, 0.0944



75.8301, 0.3452, 0.5585

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.



12.5488, 0.1092, 0.7065



12.5488, 0.2052, 0.0944



12.5488, 0.4127, 0.5873

Square

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



12.5488, 0.2052, 0.0944



12.5488, 0.7043, 0.2957



12.5488, 0.2320, 0.7680



12.5488, 0.0333, 0.1327

Rectangle

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



12.5488, 0.2052, 0.0944



12.5488, 0.6073, 0.1977



12.5488, 0.2320, 0.7680



12.5488, 0.0578, 0.4288

Sweetspot

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



12.5491, 0.2052, 0.0944



57.3499, 0.2882, 0.2557



27.8243, 0.1859, 0.1829



11.3616, 0.2844, 0.2455



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.



12.5491, 0.2052, 0.0944



11.1423, 0.1941, 0.0843



27.0429, 0.3132, 0.1529



17.0400, 0.3052, 0.3050



5.7389, 0.1959, 0.0853



0.5939, 0.2089, 0.0925

Inverse Universe

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



23.4758, 0.4638, 0.2383



23.0374, 0.4857, 0.2449



70.0275, 0.3013, 0.5925



17.3800, 0.3210, 0.3164



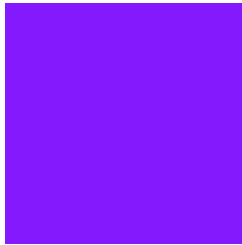
11.7130, 0.4821, 0.2430



1.1063, 0.4575, 0.2294

Previews

White Background



This preview shows how the Yxy color 12.5488, 0.2052, 0.0944 looks on a white background.

Color Contrast Check

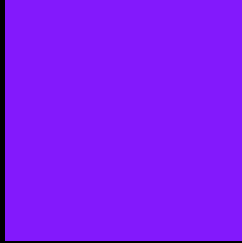
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5488, 0.2052, 0.0944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

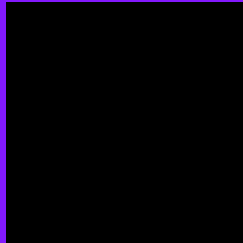
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5488, 0.2052, 0.0944

Background



This preview shows how black text looks on a background with the Yxy color 12.5488, 0.2052, 0.0944.



This preview shows how white text looks on a background with the Yxy color 12.5488, 0.2052, 0.0944.

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

12.5488, 0.2052, 0.0944

Protanopia

12.6300, 0.1746, 0.1486

Deuteranopia

12.5199, 0.1859, 0.1894



Tritanopia

12.5242, 0.2924, 0.3109

Trichromacy



Original Color

12.5488, 0.2052, 0.0944



Protanomaly

10.1760, 0.1713, 0.1068



Deuteranomaly

9.7902, 0.1766, 0.1207



Tritanomaly

10.4290, 0.2477, 0.1747

Monochromacy



Original Color

12.5488, 0.2052, 0.0944



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.1682, 0.2528, 0.1719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5488, 0.2052, 0.0944 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, 25, 252)` looks like.

```
.text, #text, p{  
  color:rgb(131, 25, 252)  
}
```

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, 25, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 25, 252) }
```

Border

The CSS property to change the border of an element to Yxy 12.5488, 0.2052, 0.0944 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, 25, 252) }
```

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

```
.border{ border-color:rgb(131, 25, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 25, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 25, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 25, 252);  
box-shadow:4px 4px 4px 4px rgb(131, 25,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5488, 0.2052, 0.0944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 25, 252) }
```

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

```
.background{ background-color: rgb(131, 25,  
252) }
```

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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