

Converting Colors

$Y_{xy}(14.4950, 0.2380, 0.1085)$

Have a look what the booklet for
Yxy(14.4950, 0.2380, 0.1085)
contains.

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Color

Yxy(14.4851, 0.2376, 0.1083)

Conversions

Conversions Part 1

Format	Color
Hex	A400F5
RGB	164, 0, 245
RGB Percent	64%, 0%, 96%
CMY	0.3571, 0.9986, 0.0393
CMYK	0.33, 1.00, 0.00, 0.04
HSL	280°, 100%, 48%
HSV	280°, 100%, 96%
XYZ	31.7789, 14.4851, 87.4857
YIQ	76.9660, 19.0990, 110.9630

Conversions

Conversions Part 2

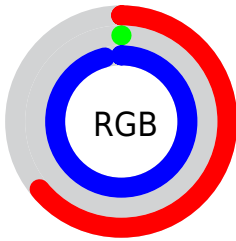
Format	Color
RYB	164, 0, 245
Decimal	10748149
CIELab	44.92, 84.44, -80.90
CIElCh	45, 116.940, 316.229
Yxy	14.4851, 0.2376, 0.1083
Android (android.graphics.Color)	4288938229 (0xFFA400F5)
YUV	76.9660, 82.8408, 76.3288
Hunter-Lab	38.0593, 82.4411, -109.6466

Details

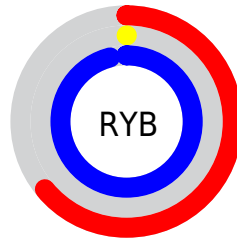
The Yxy color **14.4851, 0.2376, 0.1083** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **67.0566, 0.3159, 0.5873**, and the grayscale version is **7.2944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2070, 0.2914, 0.1674**, and **6.4126, 0.2114, 0.0938** is the 20% darker color. If you saturate the color by 10%, you get **14.4646, 0.2375, 0.1082**, and if you desaturate by 10%, it is **16.0579, 0.2460, 0.1167**.

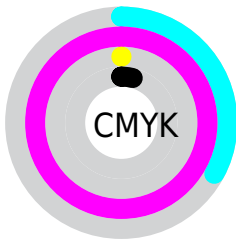
Distribution



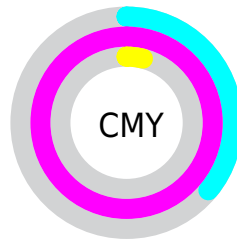
- Red (64%)
- Green (0%)
- Blue (96%)



- Red (64%)
- Yellow (0%)
- Blue (96%)



- Cyan (33%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)





- Cyan (36%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.4851, 0.2376, 0.1083 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 14.4851, 0.2376, 0.1083 by changing the saturation by 10% instead.


 14.4851, 0.2376,
0.1083


 14.4851, 0.2376,
0.1083


220.2281, 0.2842,
0.2073


 8.4588, 0.2244,
0.0889


 33.9473, 0.2560,
0.1406


 4.3899, 0.2071,
0.0674


 48.1521, 0.2625,
0.1538

 1.8940, 0.1840,
0.0444


 65.8517, 0.2679,
0.1655

 0.5448, 0.1535,
0.0207

 87.4308, 0.2723,
0.1759

 0.0000, 0.1136,
0.0000

 113.2735, 0.2760,
0.1851

 0.0000, 0.0585,
0.0000

 143.7644, 0.2792,

 0.0000, 0.0000,

0.1933

0.0000

179.2878, 0.2819,
0.2007

■ 14.4851, 0.2376,
0.1083

■ 14.4851, 0.2376,
0.1083

■ 14.4646, 0.2375,
0.1082

■ 16.0579, 0.2460,
0.1167

■ 18.5424, 0.2549,
0.1296

■ 22.1982, 0.2640,
0.1475

■ 27.1836, 0.2730,
0.1696

■ 33.6320, 0.2816,
0.1950

■ 41.6599, 0.2896,
0.2222

■ 51.3720, 0.2967,
0.2501

■ 62.8637, 0.3030,
0.2778

■ 76.2232, 0.3083,
0.3044

Harmonies

Analogous

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



14.4851, 0.1127, 0.0834



14.4851, 0.2376, 0.1083



14.4851, 0.4658, 0.1667

Triad

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



14.4851, 0.2376, 0.1083



14.4851, 0.5625, 0.4375



14.4851, 0.0491, 0.2753

Complementary

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



14.4851, 0.2376, 0.1083



67.0566, 0.3159, 0.5873

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.



14.4851, 0.1081, 0.6227



14.4851, 0.2376, 0.1083



14.4851, 0.3895, 0.6105

Square

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



14.4851, 0.2376, 0.1083



14.4851, 0.6802, 0.3198



14.4851, 0.2289, 0.7711



14.4851, 0.0409, 0.1298

Rectangle

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



14.4851, 0.2376, 0.1083



14.4851, 0.6213, 0.2177



14.4851, 0.2289, 0.7711



14.4851, 0.0610, 0.3707

Sweetspot

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



14.4856, 0.2376, 0.1083



56.0266, 0.2966, 0.2495



12.6134, 0.1626, 0.1052



10.9839, 0.2937, 0.2377



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.



14.4856, 0.2376, 0.1083



15.8249, 0.2373, 0.1081



23.7853, 0.3690, 0.1807



16.4773, 0.3085, 0.3053



7.8729, 0.2388, 0.1089



0.7478, 0.2492, 0.1147

Inverse Universe

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



20.0158, 0.5688, 0.2908



21.9075, 0.5698, 0.2912



65.4523, 0.2964, 0.5870



16.5731, 0.3241, 0.3212



10.8020, 0.5650, 0.2886



0.9676, 0.5299, 0.2693

Previews

White Background



This preview shows how the Yxy color 14.4851, 0.2376, 0.1083 looks on a white background.

Color Contrast Check

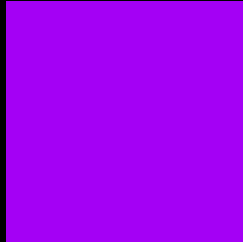
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4851, 0.2376, 0.1083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

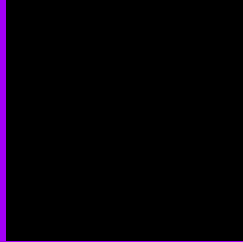
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 14.4851, 0.2376, 0.1083

Background



This preview shows how black text looks on a background with the Yxy color 14.4851, 0.2376, 0.1083.



This preview shows how white text looks on a background with the Yxy color 14.4851, 0.2376, 0.1083.

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

14.4851, 0.2376, 0.1083

Protanopia

15.0151, 0.1743, 0.1476

Deuteranopia

15.0430, 0.1855, 0.1876



Tritanopia

14.7483, 0.3669, 0.3162

Trichromacy



Original Color

14.4851, 0.2376, 0.1083



Protanomaly

10.4585, 0.1734, 0.1018



Deuteranomaly

10.0706, 0.1793, 0.1156



Tritanomaly

11.9071, 0.3075, 0.1866

Monochromacy



Original Color

14.4851, 0.2376, 0.1083



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.2828, 0.2720, 0.1652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4851, 0.2376, 0.1083 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(164, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(164, 0, 245)  
}
```

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(164, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 0, 245) }
```

Border

The CSS property to change the border of an element to Yxy 14.4851, 0.2376, 0.1083 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(164, 0, 245) }
```

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

```
.border{ border-color:rgb(164, 0, 245) }
```

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

Here you see how a box with a 4 pixel rgb(164, 0, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(164, 0,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 14.4851, 0.2376, 0.1083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 0, 245) }
```

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

```
.background{ background-color: rgb(164, 0,  
245) }
```

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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