

Converting Colors

$Y_{xy}(14.6173, 0.2391, 0.1091)$

Have a look what the booklet for
Yxy(14.6173, 0.2391, 0.1091)
contains.

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Color

Yxy(14.5919, 0.2386, 0.1088)

Conversions

Conversions Part 1

Format	Color
Hex	A500F5
RGB	165, 0, 245
RGB Percent	65%, 0%, 96%
CMY	0.3529, 1.0000, 0.0392
CMYK	0.33, 1.00, 0.00, 0.04
HSL	280°, 100%, 48%
HSV	280°, 100%, 96%
XYZ	32.0003, 14.5919, 87.5246
YIQ	77.2650, 19.6950, 111.1750

Conversions

Conversions Part 2

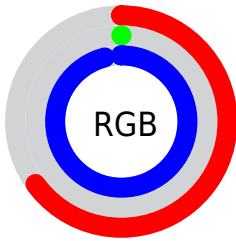
Format	Color
RYB	165, 0, 245
Decimal	10813685
CIELab	45.07, 84.60, -80.67
CIELCh	45, 116.897, 316.364
Yxy	14.5919, 0.2386, 0.1088
Android (android.graphics.Color)	4289003765 (0xFFA500F5)
YUV	77.2650, 82.6934, 76.9436
Hunter-Lab	38.1993, 82.6837, -109.1092

Details

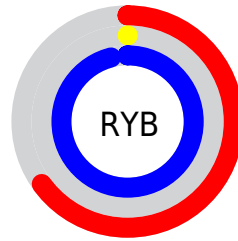
The Yxy color **14.5919, 0.2386, 0.1088** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **67.0171, 0.3154, 0.5878**, and the grayscale version is **7.3148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3682, 0.2924, 0.1678**, and **6.5309, 0.2136, 0.0951** is the 20% darker color. If you saturate the color by 10%, you get **14.5933, 0.2386, 0.1088**, and if you desaturate by 10%, it is **16.1524, 0.2469, 0.1171**.

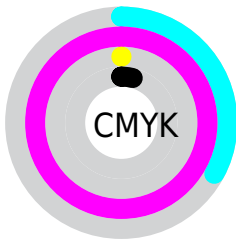
Distribution



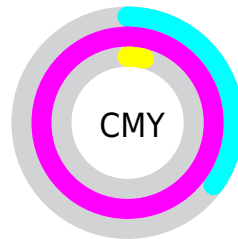
- Red (65%)
- Green (0%)
- Blue (96%)



- Red (65%)
- Yellow (0%)
- Blue (96%)



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





- Cyan (35%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5919, 0.2386, 0.1088 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 14.5919, 0.2386, 0.1088 by changing the saturation by 10% instead.


 14.5919, 0.2386,
0.1088


 14.5919, 0.2386,
0.1088


220.8826, 0.2846,
0.2076

 8.5335, 0.2255,
0.0894


 34.1356, 0.2568,
0.1410


 4.4382, 0.2083,
0.0679


 48.3898, 0.2633,
0.1542


 1.9216, 0.1855,
0.0449


 66.1446, 0.2685,
0.1659

 0.5613, 0.1551,
0.0212

 87.7844, 0.2729,
0.1762

 0.0000, 0.1153,
0.0000

 113.6938, 0.2766,
0.1854

 0.0000, 0.0607,
0.0000

 144.2570, 0.2797,

 0.0000, 0.0000,

0.1936

0.0000

179.8585, 0.2823,
0.2010

■ 14.5919, 0.2386,
0.1088

■ 14.5919, 0.2386,
0.1088

■ 14.5933, 0.2386,
0.1088

■ 16.1524, 0.2469,
0.1171

■ 18.6147, 0.2557,
0.1299

■ 22.2446, 0.2646,
0.1476

■ 27.2009, 0.2735,
0.1696

■ 33.6172, 0.2820,
0.1947

■ 41.6102, 0.2899,
0.2219

■ 51.2849, 0.2969,
0.2498

■ 62.7367, 0.3031,
0.2774

■ 76.0540, 0.3083,
0.3040

Harmonies

Analogous

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



14.5919, 0.1133, 0.0837



14.5919, 0.2386, 0.1088



14.5919, 0.4667, 0.1673

Triad

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



14.5919, 0.2386, 0.1088



14.5919, 0.5617, 0.4383



14.5919, 0.0493, 0.2745

Complementary

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



14.5919, 0.2386, 0.1088



67.0171, 0.3154, 0.5878

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.



14.5919, 0.1082, 0.6201



14.5919, 0.2386, 0.1088



14.5919, 0.3889, 0.6111

Square

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



14.5919, 0.2386, 0.1088



14.5919, 0.6794, 0.3206



14.5919, 0.2290, 0.7710



14.5919, 0.0412, 0.1298

Rectangle

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



14.5919, 0.2386, 0.1088



14.5919, 0.6214, 0.2183



14.5919, 0.2290, 0.7710



14.5919, 0.0612, 0.3693

Sweetspot

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



14.5933, 0.2386, 0.1088



56.0865, 0.2969, 0.2496



12.5782, 0.1625, 0.1049



10.9982, 0.2940, 0.2378



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.



14.5933, 0.2386, 0.1088



15.9606, 0.2384, 0.1087



23.7825, 0.3691, 0.1807



16.4813, 0.3086, 0.3053



7.9391, 0.2399, 0.1095



0.7533, 0.2502, 0.1152

Inverse Universe

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



19.9937, 0.5710, 0.2919



21.8887, 0.5715, 0.2922



65.4704, 0.2964, 0.5872



16.5717, 0.3242, 0.3213



10.7925, 0.5668, 0.2896



0.9667, 0.5316, 0.2702

Previews

White Background



This preview shows how the Yxy color 14.5919, 0.2386, 0.1088 looks on a white background.

Color Contrast Check

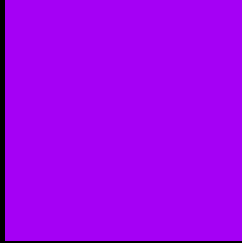
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5919, 0.2386, 0.1088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

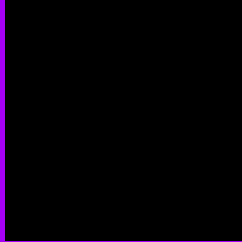
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.5919, 0.2386, 0.1088

Background



This preview shows how black text looks on a background with the Yxy color 14.5919, 0.2386, 0.1088.



This preview shows how white text looks on a background with the Yxy color 14.5919, 0.2386, 0.1088.

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

14.5919, 0.2386, 0.1088

Protanopia

15.0679, 0.1741, 0.1468

Deuteranopia

15.0866, 0.1851, 0.1865



Tritanopia

14.9205, 0.3699, 0.3164

Trichromacy



Original Color

14.5919, 0.2386, 0.1088



Protanomaly

10.5142, 0.1732, 0.1014



Deuteranomaly

10.1203, 0.1790, 0.1150



Tritanomaly

12.0936, 0.3104, 0.1879

Monochromacy



Original Color

14.5919, 0.2386, 0.1088



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 14.5919, 0.2386, 0.1088 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(165, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(165, 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(165, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 0, 245) }
```

Border

The CSS property to change the border of an element to Yxy 14.5919, 0.2386, 0.1088 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(165, 0, 245) }
```

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

```
.border{ border-color:rgb(165, 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(165, 0, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(165, 0,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5919, 0.2386, 0.1088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 0, 245) }
```

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

```
.background{ background-color: rgb(165, 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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