

Converting Colors

$Y_{xy}(22.4887, 0.2445, 0.1801)$

Have a look what the booklet for
Yxy(22.4887, 0.2445, 0.1801)
contains.

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Color

Yxy(22.5368, 0.2449, 0.1803)

Conversions

Conversions Part 1

Format	Color
Hex	926EDE
RGB	146, 110, 222
RGB Percent	57%, 43%, 87%
CMY	0.4276, 0.5686, 0.1294
CMYK	0.34, 0.50, 0.00, 0.13
HSL	259°, 63%, 65%
HSV	259°, 50%, 87%
XYZ	30.6115, 22.5368, 71.8478
YIQ	133.5320, -14.4960, 42.4640

Conversions

Conversions Part 2

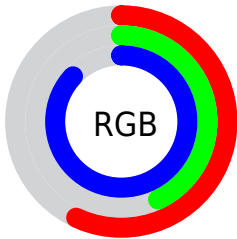
Format	Color
R_{YB}	146, 110, 222
Decimal	9596638
CIE _{Lab}	54.59, 38.45, -52.41
CIE _{LCh}	55, 65.004, 306.269
Yxy	22.5368, 0.2449, 0.1803
Android (android.graphics.Color)	4287786718 (0xFF926EDE)
YUV	133.5320, 43.6147, 10.9344
Hunter-Lab	47.4729, 32.0229, -56.5012

Details

The Yxy color **22.5368, 0.2449, 0.1803** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **63.8167, 0.3578, 0.4641**, and the grayscale version is **23.5013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7572, 0.2754, 0.2267**, and **8.3148, 0.2211, 0.1429** is the 20% darker color. If you saturate the color by 10%, you get **17.0405, 0.2280, 0.1494**, and if you desaturate by 10%, it is **29.4167, 0.2612, 0.2124**.

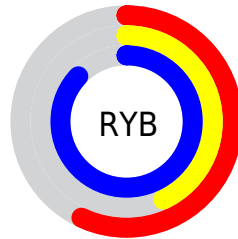
Distribution



Red (57%)

Green (43%)

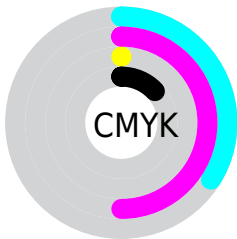
Blue (87%)



Red (57%)

Yellow (43%)

Blue (87%)

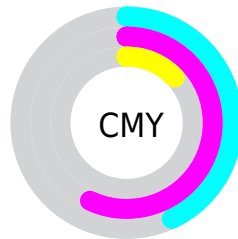


Cyan (34%)

Magenta (50%)

Yellow (0%)

Black (13%)



Cyan (43%)


Magenta (57%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5368, 0.2449, 0.1803 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 22.5368, 0.2449, 0.1803 by changing the saturation by 10% instead.


 22.5368, 0.2449,
0.1803


 22.5368, 0.2449,
0.1803


265.3369, 0.2830,
0.2532


 14.2519, 0.2344,
0.1633


 47.6316, 0.2596,
0.2060


 8.2960, 0.2206,
0.1426


 65.2103, 0.2649,
0.2160

 4.2850, 0.2018,
0.1170


 86.6557, 0.2692,
0.2244

 1.8342, 0.1754,
0.0856

 112.3521, 0.2729,
0.2318

 0.5084, 0.1383,
0.0449

142.6841, 0.2760,
0.2382

 0.0000, 0.0715,
0.0000

178.0360, 0.2787,

 0.0000, 0.0000,

0.2438

0.0000

218.7921, 0.2810,
0.2488

■ 22.5368, 0.2449,
0.1803

■ 22.5368, 0.2449,
0.1803

■ 17.0405, 0.2280,
0.1494

■ 29.4167, 0.2612,
0.2124

■ 12.8269, 0.2112,
0.1215

■ 37.7664, 0.2764,
0.2442

■ 9.7848, 0.1957,
0.0987


■ 47.6678, 0.2900,
0.2744


■ 7.7819, 0.1822,
0.0821

■ 59.1958, 0.3019,
0.3025

■ 6.6247, 0.1718,
0.0720

■ 72.4205, 0.3123,
0.3279

 87.4079, 0.3211,
0.3508

 97.3924, 0.3299,
0.3614

 98.0543, 0.3321,
0.3611

Harmonies

Analogous

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



22.5368, 0.1719, 0.1688



22.5368, 0.2449, 0.1803



22.5368, 0.3549, 0.2185

Triad

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



22.5368, 0.2449, 0.1803



22.5368, 0.5152, 0.4233



22.5368, 0.1686, 0.3630

Complementary

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



22.5368, 0.2449, 0.1803



63.8167, 0.3578, 0.4641

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.



22.5368, 0.2447, 0.4947



22.5368, 0.2449, 0.1803



22.5368, 0.4432, 0.5005

Square

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



22.5368, 0.2449, 0.1803



22.5368, 0.5317, 0.3473



22.5368, 0.3454, 0.5450



22.5368, 0.1341, 0.2487

Rectangle

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



22.5368, 0.2449, 0.1803



22.5368, 0.4348, 0.2562



22.5368, 0.3454, 0.5450



22.5368, 0.1896, 0.4095

Sweetspot

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



22.5376, 0.2449, 0.1803



73.3802, 0.2966, 0.2897



43.9366, 0.2377, 0.2801



14.9965, 0.2940, 0.2837



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.



22.5376, 0.2449, 0.1803



22.6561, 0.2262, 0.1463



28.9123, 0.2978, 0.2003



13.4558, 0.3030, 0.3051



3.9878, 0.1732, 0.0728



0.3234, 0.1901, 0.0821

Inverse Universe

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



30.2324, 0.3572, 0.2423



34.6795, 0.3712, 0.2267



58.1610, 0.3176, 0.4832



13.8568, 0.3187, 0.3132



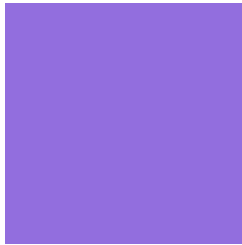
10.5671, 0.4222, 0.2099



0.7486, 0.4027, 0.1992

Previews

White Background



This preview shows how the Yxy color 22.5368, 0.2449, 0.1803 looks on a white background.

Color Contrast Check

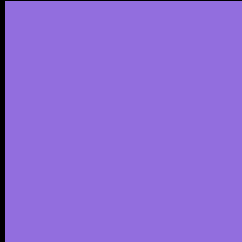
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 22.5368, 0.2449, 0.1803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

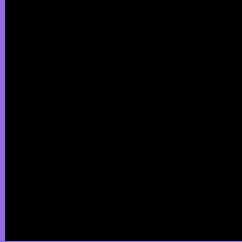
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5368, 0.2449, 0.1803

Background



This preview shows how black text looks on a background with the Yxy color 22.5368, 0.2449, 0.1803.



This preview shows how white text looks on a background with the Yxy color 22.5368, 0.2449, 0.1803.

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

22.5368, 0.2449, 0.1803

Protanopia

22.9066, 0.1950, 0.1713

Deuteranopia

22.6588, 0.2037, 0.1973



Tritanopia

22.5258, 0.3011, 0.3115

Trichromacy



Original Color

22.5368, 0.2449, 0.1803

Protanomaly

22.3246, 0.2083, 0.1728

Deuteranomaly

21.9897, 0.2146, 0.1879

Tritanomaly

22.2191, 0.2778, 0.2537

Monochromacy



Original Color

22.5368, 0.2449, 0.1803

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

22.8237, 0.2849, 0.2632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5368, 0.2449, 0.1803 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(146, 110, 222)` looks like.

```
.text, #text, p{  
    color:rgb(146, 110, 222)  
}
```

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(146, 110, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 110, 222) }
```

Border

The CSS property to change the border of an element to Yxy 22.5368, 0.2449, 0.1803 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(146, 110, 222) }
```

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

```
.border{ border-color:rgb(146, 110, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 110, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 110, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 110, 222);  
box-shadow:4px 4px 4px 4px rgb(146, 110,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5368, 0.2449, 0.1803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 110, 222) }
```

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

```
.background{ background-color: rgb(146,  
110, 222) }
```

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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