

Converting Colors

$Y_{xy}(24.2555, 0.2439, 0.1695)$

Have a look what the booklet for
Yxy(24.2555, 0.2439, 0.1695)
contains.

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Color

Yxy(24.3794, 0.2445, 0.1703)

Conversions

Conversions Part 1

Format	Color
Hex	9E6DEE
RGB	158, 109, 238
RGB Percent	62%, 43%, 93%
CMY	0.3805, 0.5725, 0.0665
CMYK	0.34, 0.54, 0.00, 0.07
HSL	263°, 79%, 68%
HSV	263°, 54%, 93%
XYZ	35.0015, 24.3794, 83.7747
YIQ	138.3570, -12.2050, 50.5070

Conversions

Conversions Part 2

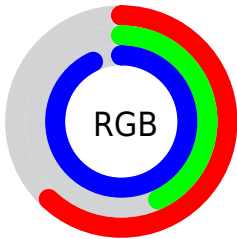
Format	Color
R _Y B	158, 109, 238
Decimal	10382830
CIE Lab	56.47, 46.04, -58.32
CIE LCh	56, 74.304, 308.284
Yxy	24.3794, 0.2445, 0.1703
Android (android.graphics.Color)	4288572910 (0xFF9E6DEE)
YUV	138.3570, 49.1240, 17.2269
Hunter-Lab	49.3755, 40.1288, -66.0336

Details

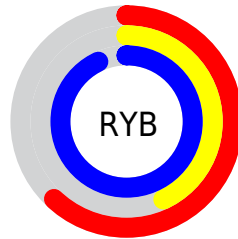
The Yxy color **24.3794, 0.2445, 0.1703** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **73.0994, 0.3548, 0.4773**, and the grayscale version is **25.3712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6596, 0.2856, 0.2295**, and **9.2308, 0.2207, 0.1334** is the 20% darker color. If you saturate the color by 10%, you get **18.5621, 0.2286, 0.1411**, and if you desaturate by 10%, it is **31.7532, 0.2600, 0.2015**.

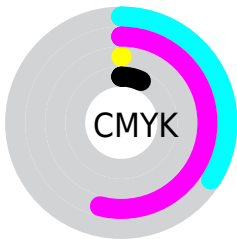
Distribution



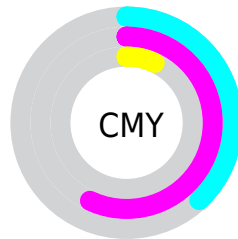
- Red (62%)
- Green (43%)
- Blue (93%)



- Red (62%)
- Yellow (43%)
- Blue (93%)



- Cyan (34%)
- Magenta (54%)
- Yellow (0%)
- Black (7%)



- Cyan (38%)
- Magenta (57%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3794, 0.2445, 0.1703 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 24.3794, 0.2445, 0.1703 by changing the saturation by 10% instead.


 24.3794, 0.2445,
0.1703


 24.3794, 0.2445,
0.1703


274.7330, 0.2826,
0.2456


 15.6153, 0.2343,
0.1535


 50.6486, 0.2590,
0.1963

 9.2523, 0.2209,
0.1333

 68.9225, 0.2643,
0.2065

 4.9061, 0.2030,
0.1090


 91.1352, 0.2687,
0.2153

 2.1923, 0.1785,
0.0800

 117.6709, 0.2724,
0.2230

 0.7158, 0.1442,
0.0465

148.9142, 0.2755,
0.2297

 0.0000, 0.0980,
0.0000

185.2494, 0.2782,

 0.0000, 0.0000,

0.2356

0.0000

227.0608, 0.2806,
0.2409

■ 24.3794, 0.2445,
0.1703

■ 24.3794, 0.2445,
0.1703

■ 18.5621, 0.2286,
0.1411

■ 31.7532, 0.2600,
0.2015

■ 14.1785, 0.2129,
0.1157

■ 40.7879, 0.2744,
0.2330

■ 11.0907, 0.1985,
0.0957

■ 51.5820, 0.2875,
0.2635


■ 9.1305, 0.1860,
0.0819

■ 64.2250, 0.2990,
0.2922

■ 8.3658, 0.1797,
0.0764

■ 78.8004, 0.3090,
0.3186

 95.3865, 0.3175,
0.3426

 98.9550, 0.3226,
0.3454

Harmonies

Analogous

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



24.3794, 0.1639, 0.1559



24.3794, 0.2445, 0.1703



24.3794, 0.3675, 0.2124

Triad

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



24.3794, 0.2445, 0.1703



24.3794, 0.5273, 0.4307



24.3794, 0.1508, 0.3548

Complementary

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



24.3794, 0.2445, 0.1703



73.0994, 0.3548, 0.4773

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.



24.3794, 0.2286, 0.5087



24.3794, 0.2445, 0.1703



24.3794, 0.4431, 0.5176

Square

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



24.3794, 0.2445, 0.1703



24.3794, 0.5549, 0.3493



24.3794, 0.3358, 0.5701



24.3794, 0.1189, 0.2325

Rectangle

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



24.3794, 0.2445, 0.1703



24.3794, 0.4563, 0.2531



24.3794, 0.3358, 0.5701



24.3794, 0.1716, 0.4077

Sweetspot

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



24.3803, 0.2445, 0.1703



72.1853, 0.2970, 0.2871



46.5676, 0.2308, 0.2666



14.7763, 0.2947, 0.2812



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.



24.3803, 0.2445, 0.1703



21.0970, 0.2269, 0.1383



32.4590, 0.3023, 0.1936



15.5210, 0.3039, 0.3050



4.7342, 0.1813, 0.0772



0.4491, 0.1959, 0.0853

Inverse Universe

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



32.7984, 0.3709, 0.2437



32.2563, 0.3886, 0.2306



66.7241, 0.3137, 0.4985



15.9238, 0.3196, 0.3144



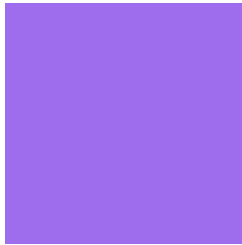
11.3541, 0.4456, 0.2229



0.9639, 0.4248, 0.2114

Previews

White Background



This preview shows how the Yxy color 24.3794, 0.2445, 0.1703 looks on a white background.

Color Contrast Check

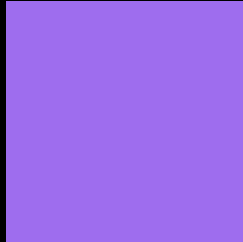
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3794, 0.2445, 0.1703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

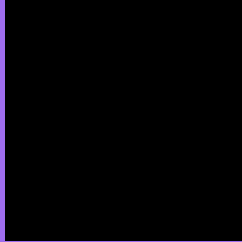
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3794, 0.2445, 0.1703

Background



This preview shows how black text looks on a background with the Yxy color 24.3794, 0.2445, 0.1703.



This preview shows how white text looks on a background with the Yxy color 24.3794, 0.2445, 0.1703.

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

24.3794, 0.2445, 0.1703

Protanopia

24.6815, 0.1890, 0.1633

Deuteranopia

24.7416, 0.1961, 0.1903



Tritanopia

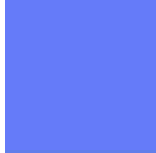
24.2776, 0.3080, 0.3107

Trichromacy



Original Color

24.3794, 0.2445, 0.1703



Protanomaly

23.7722, 0.2024, 0.1629



Deuteranomaly

23.6606, 0.2074, 0.1793



Tritanomaly

23.7406, 0.2819, 0.2470

Monochromacy



Original Color

24.3794, 0.2445, 0.1703



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.2545, 0.2848, 0.2567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3794, 0.2445, 0.1703 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(158, 109, 238)` looks like.

```
.text, #text, p{  
    color:rgb(158, 109, 238)  
}
```

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(158, 109, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 109, 238) }
```

Border

The CSS property to change the border of an element to Yxy 24.3794, 0.2445, 0.1703 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(158, 109, 238) }
```

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

```
.border{ border-color:rgb(158, 109, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 109, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 109, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 109, 238);  
box-shadow:4px 4px 4px 4px rgb(158, 109,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3794, 0.2445, 0.1703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 109, 238) }
```

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

```
.background{ background-color: rgb(158,  
109, 238) }
```

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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