

Converting Colors

$Y_{xy}(24.9013, 0.2256, 0.1453)$

Have a look what the booklet for
Yxy(24.9013, 0.2256, 0.1453)
contains.

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Color

Yxy(24.1885, 0.2320, 0.1529)

Conversions

Conversions Part 1

Format	Color
Hex	9C68FF
RGB	156, 104, 255
RGB Percent	61%, 41%, 100%
CMY	0.3883, 0.5921, 0.0002
CMYK	0.39, 0.59, 0.00, 0.00
HSL	261°, 100%, 70%
HSV	261°, 59%, 100%
XYZ	36.7020, 24.1885, 97.3077
YIQ	136.7620, -17.4790, 57.9850

Conversions

Conversions Part 2

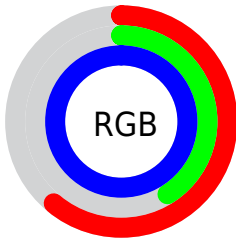
Format	Color
R_{YB}	156, 104, 255
Decimal	10250495
CIE _{Lab}	56.28, 52.57, -68.03
CIE _{LCh}	56, 85.973, 307.692
Yxy	24.1885, 0.2320, 0.1529
Android (android.graphics.Color)	4288440575 (0xFF9C68FF)
YUV	136.7620, 58.2913, 16.8717
Hunter-Lab	49.1818, 47.1377, -82.8798

Details

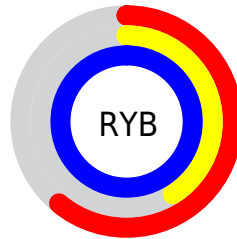
The Yxy color **24.1885, 0.2320, 0.1529** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **85.1915, 0.3607, 0.4888**, and the grayscale version is **24.7050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7810, 0.2845, 0.2241**, and **9.1188, 0.2058, 0.1152** is the 20% darker color. If you saturate the color by 10%, you get **18.2533, 0.2155, 0.1249**, and if you desaturate by 10%, it is **31.9060, 0.2486, 0.1839**.

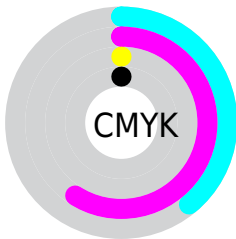
Distribution



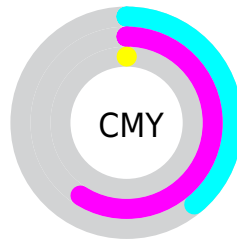
- Red (61%)
- Green (41%)
- Blue (100%)



- Red (61%)
- Yellow (41%)
- Blue (100%)



- Cyan (39%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1885, 0.2320, 0.1529 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 24.1885, 0.2320, 0.1529 by changing the saturation by 10% instead.


 24.1885, 0.2320,
0.1529

 24.1885, 0.2320,
0.1529


273.7721, 0.2764,
0.2340


 15.4735, 0.2205,
0.1356


 50.3376, 0.2486,
0.1803


 9.1524, 0.2057,
0.1154


 68.5406, 0.2548,
0.1912

 4.8407, 0.1865,
0.0917


 90.6749, 0.2599,
0.2007

 2.1541, 0.1610,
0.0648

 117.1251, 0.2643,
0.2090

 0.6948, 0.1272,
0.0354

148.2755, 0.2680,
0.2164

 0.0000, 0.0846,
0.0000

184.5106, 0.2712,

 0.0000, 0.0000,

0.2229

0.0000

226.2146, 0.2740,
0.2288

■ 24.1885, 0.2320,
0.1529

■ 24.1885, 0.2320,
0.1529

■ 18.2533, 0.2155,
0.1249

■ 31.9060, 0.2486,
0.1839

■ 13.9440, 0.1999,
0.1016

■ 41.5388, 0.2645,
0.2160

■ 11.0795, 0.1862,
0.0847

■ 53.2097, 0.2791,
0.2477

■ 9.3907, 0.1750,
0.0741

■ 67.0305, 0.2922,
0.2778

■ 9.2806, 0.1742,
0.0733

■ 83.1046, 0.3036,
0.3056

99.9974, 0.3127,
0.3290

Harmonies

Analogous

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



24.1885, 0.1460, 0.1378



24.1885, 0.2320, 0.1529



24.1885, 0.3710, 0.1973

Triad

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



24.1885, 0.2320, 0.1529



24.1885, 0.5493, 0.4286



24.1885, 0.1309, 0.3592

Complementary

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



24.1885, 0.2320, 0.1529



85.1915, 0.3607, 0.4888

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.



24.1885, 0.2144, 0.5463



24.1885, 0.2320, 0.1529



24.1885, 0.4508, 0.5310

Square

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



24.1885, 0.2320, 0.1529



24.1885, 0.5868, 0.3414



24.1885, 0.3313, 0.6068



24.1885, 0.0990, 0.2182

Rectangle

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



24.1885, 0.2320, 0.1529



24.1885, 0.4749, 0.2406



24.1885, 0.3313, 0.6068



24.1885, 0.1529, 0.4234

Sweetspot

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



24.1893, 0.2320, 0.1529



68.8615, 0.2936, 0.2812



53.6567, 0.2256, 0.2660



13.8125, 0.2900, 0.2727



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.



24.1893, 0.2320, 0.1529



17.3679, 0.2126, 0.1203



33.9139, 0.2961, 0.1807



17.6817, 0.3033, 0.3048



4.9251, 0.1758, 0.0742



0.5373, 0.1880, 0.0810

Inverse Universe

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



35.4703, 0.3728, 0.2322



29.9868, 0.3903, 0.2197



77.1757, 0.3155, 0.5145



18.1879, 0.3191, 0.3135



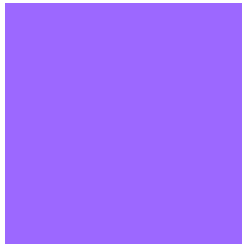
12.6002, 0.4319, 0.2153



1.2474, 0.4159, 0.2065

Previews

White Background



This preview shows how the Yxy color 24.1885, 0.2320, 0.1529 looks on a white background.

Color Contrast Check

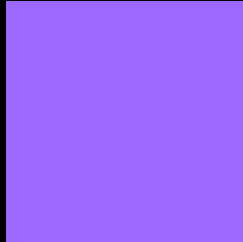
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1885, 0.2320, 0.1529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

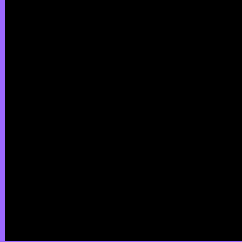
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1885, 0.2320, 0.1529

Background



This preview shows how black text looks on a background with the Yxy color 24.1885, 0.2320, 0.1529.



This preview shows how white text looks on a background with the Yxy color 24.1885, 0.2320, 0.1529.

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

24.1885, 0.2320, 0.1529

Protanopia

24.5764, 0.1880, 0.1630

Deuteranopia

24.3021, 0.1827, 0.1778



Tritanopia

24.0001, 0.2993, 0.3103

Trichromacy



Original Color

24.1885, 0.2320, 0.1529



Protanomaly

23.4914, 0.1982, 0.1556



Deuteranomaly

22.2525, 0.1857, 0.1601



Tritanomaly

23.3314, 0.2706, 0.2353

Monochromacy



Original Color

24.1885, 0.2320, 0.1529



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.8918, 0.2782, 0.2455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1885, 0.2320, 0.1529 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(156, 104, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 104, 255)  
}
```

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(156, 104, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 104, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.1885, 0.2320, 0.1529 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(156, 104, 255) }
```

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

```
.border{ border-color:rgb(156, 104, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 104, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 104, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 104, 255); box-shadow:4px 4px 4px 4px rgb(156, 104, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1885, 0.2320, 0.1529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 104, 255) }
```

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

```
.background{ background-color: rgb(156,  
104, 255) }
```

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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