

Converting Colors

$Y_{xy}(24.1044, 0.2470, 0.1497)$

Have a look what the booklet for
Yxy(24.1044, 0.2470, 0.1497)
contains.

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Color

Yxy(24.1044, 0.2470, 0.1497)

Conversions

Conversions Part 1

Format	Color
Hex	B05CFF
RGB	176, 92, 255
RGB Percent	69%, 36%, 100%
CMY	0.3099, 0.6391, 0.0001
CMYK	0.31, 0.64, 0.00, 0.00
HSL	271°, 100%, 68%
HSV	271°, 64%, 100%
XYZ	39.7715, 24.1044, 97.1422
YIQ	135.6980, -2.2590, 68.5010

Conversions

Conversions Part 2

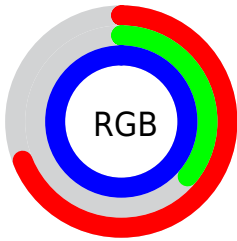
Format	Color
R _Y B	176, 92, 255
Decimal	11558143
CIE Lab	56.19, 62.81, -68.07
CIE LCh	56, 92.616, 312.698
Yxy	24.1044, 0.2470, 0.1497
Android (android.graphics.Color)	4289748223 (0xFFB05CFF)
YUV	135.6980, 58.8159, 35.3449
Hunter-Lab	49.0962, 58.6793, -82.9443

Details

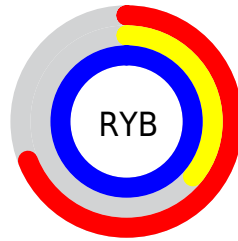
The Yxy color **24.1044, 0.2470, 0.1497** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **80.9408, 0.3442, 0.5113**, and the grayscale version is **24.2825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9203, 0.3016, 0.2196**, and **9.0749, 0.2235, 0.1124** is the 20% darker color. If you saturate the color by 10%, you get **19.0283, 0.2340, 0.1263**, and if you desaturate by 10%, it is **30.7994, 0.2599, 0.1768**.

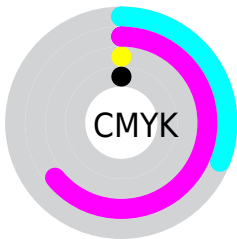
Distribution



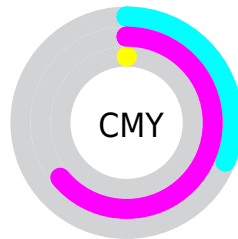
- Red (69%)
- Green (36%)
- Blue (100%)



- Red (69%)
- Yellow (36%)
- Blue (100%)



- Cyan (31%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1044, 0.2470, 0.1497 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 24.1044, 0.2470, 0.1497 by changing the saturation by 10% instead.


 24.1044, 0.2470,
0.1497


 24.1044, 0.2470,
0.1497


273.3479, 0.2846,
0.2313

 15.4111, 0.2369,
0.1325


 50.2005, 0.2613,
0.1770

 9.1084, 0.2238,
0.1125


 68.3721, 0.2666,
0.1880

 4.8120, 0.2064,
0.0892


 90.4719, 0.2709,
0.1976

 2.1374, 0.1829,
0.0628

 116.8843, 0.2745,
0.2060

 0.6855, 0.1507,
0.0342

147.9937, 0.2776,
0.2134

 0.0000, 0.1082,
0.0000

184.1845, 0.2803,

 0.0000, 0.0157,

0.2200

0.0000

225.8411, 0.2826,
0.2260

■ 0.0000, 0.0000,
0.0000

■ 24.1044, 0.2470,
0.1497

■ 24.1044, 0.2470,
0.1497

■ 19.0283, 0.2340,
0.1263

■ 30.7994, 0.2599,
0.1768

■ 15.4090, 0.2214,
0.1078

■ 39.2484, 0.2722,
0.2060


■ 13.0534, 0.2098,
0.0949

■ 49.5749, 0.2836,
0.2359

■ 12.0701, 0.2034,
0.0894

■ 61.8902, 0.2937,
0.2652

■ 76.2966, 0.3025,
0.2933

 92.8894, 0.3101,
0.3194

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



24.1044, 0.1484, 0.1291



24.1044, 0.2470, 0.1497



24.1044, 0.4029, 0.2001

Triad

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



24.1044, 0.2470, 0.1497



24.1044, 0.5447, 0.4444



24.1044, 0.1112, 0.3273

Complementary

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



24.1044, 0.2470, 0.1497



80.9408, 0.3442, 0.5113

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.



24.1044, 0.1872, 0.5368



24.1044, 0.2470, 0.1497



24.1044, 0.4323, 0.5572

Square

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



24.1044, 0.2470, 0.1497



24.1044, 0.6031, 0.3505



24.1044, 0.3050, 0.6311



24.1044, 0.0878, 0.1937

Rectangle

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



24.1044, 0.2470, 0.1497



24.1044, 0.5119, 0.2467



24.1044, 0.3050, 0.6311



24.1044, 0.1300, 0.3942

Sweetspot

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



24.1053, 0.2470, 0.1497



68.7010, 0.2982, 0.2792



39.5777, 0.2115, 0.2232



13.8428, 0.2956, 0.2711



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.



24.1053, 0.2470, 0.1497



17.7635, 0.2300, 0.1200



36.1347, 0.3196, 0.1830



17.8378, 0.3060, 0.3050



6.3976, 0.2051, 0.0903



0.6880, 0.2172, 0.0970

Inverse Universe

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



31.8585, 0.4153, 0.2524



26.6807, 0.4485, 0.2462



74.5545, 0.3030, 0.5365



18.1339, 0.3218, 0.3175



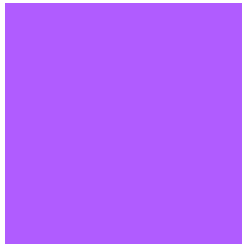
11.8946, 0.5028, 0.2544



1.1801, 0.4766, 0.2399

Previews

White Background



This preview shows how the Yxy color 24.1044, 0.2470, 0.1497 looks on a white background.

Color Contrast Check

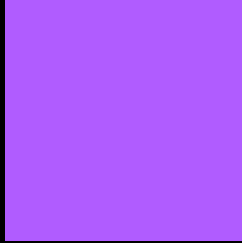
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1044, 0.2470, 0.1497 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 24.1044, 0.2470, 0.1497

Background



This preview shows how black text looks on a background with the Yxy color 24.1044, 0.2470, 0.1497.



This preview shows how white text looks on a background with the Yxy color 24.1044, 0.2470, 0.1497.

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

24.1044, 0.2470, 0.1497

Protanopia

24.5426, 0.1877, 0.1629

Deuteranopia

24.3624, 0.1825, 0.1770



Tritanopia

23.8549, 0.3337, 0.3130

Trichromacy



Original Color

24.1044, 0.2470, 0.1497



Protanomaly

22.9458, 0.2007, 0.1523



Deuteranomaly

21.4801, 0.1865, 0.1556



Tritanomaly

23.0113, 0.2967, 0.2342

Monochromacy



Original Color

24.1044, 0.2470, 0.1497



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.2669, 0.2860, 0.2409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1044, 0.2470, 0.1497 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(176, 92, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 92, 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(176, 92, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 92, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.1044, 0.2470, 0.1497 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(176, 92, 255) }
```

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

```
.border{ border-color:rgb(176, 92, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 92, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 92, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 92, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 92,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1044, 0.2470, 0.1497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 92, 255) }
```

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

```
.background{ background-color: rgb(176, 92,  
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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