

Converting Colors

$Y_{xy}(22.4562, 0.2519, 0.1408)$

Have a look what the booklet for
Yxy(22.4562, 0.2519, 0.1408)
contains.

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Color

Yxy(22.4562, 0.2519, 0.1408)

Conversions

Conversions Part 1

Format	Color
Hex	B74CFF
RGB	183, 76, 255
RGB Percent	72%, 30%, 100%
CMY	0.2822, 0.7022, 0.0000
CMYK	0.28, 0.70, 0.00, 0.00
HSL	276°, 100%, 65%
HSV	276°, 70%, 100%
XYZ	40.1755, 22.4562, 96.8583
YIQ	128.3990, 6.3130, 78.3530

Conversions

Conversions Part 2

Format	Color
R_{YB}	183, 76, 255
Decimal	12012799
CIE _{Lab}	54.51, 71.33, -70.78
CIE _{LCh}	55, 100.490, 315.220
Yxy	22.4562, 0.2519, 0.1408
Android (android.graphics.Color)	4290202879 (0xFFB74CFF)
YUV	128.3990, 62.4143, 47.8851
Hunter-Lab	47.3880, 68.4034, -88.0138

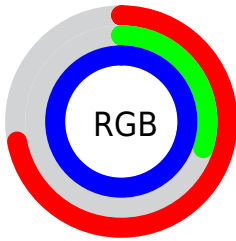
Details

The Yxy color **22.4562, 0.2519, 0.1408** is a light color, and the websafe version is hex **CC33FF**.

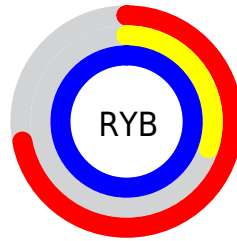
The color can be described as light washed purple. A complement of this color would be **78.3277, 0.3352, 0.5331**, and the grayscale version is **21.5030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0497, 0.3077, 0.2090**, and **8.3163, 0.2294, 0.1037** is the 20% darker color. If you saturate the color by 10%, you get **18.4009, 0.2410, 0.1218**, and if you desaturate by 10%, it is **27.9903, 0.2629, 0.1642**.

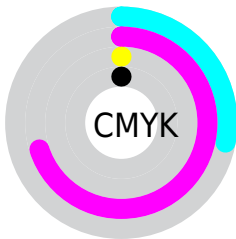
Distribution



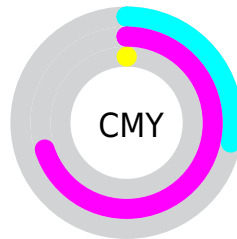
- Red (72%)
- Green (30%)
- Blue (100%)



- Red (72%)
- Yellow (30%)
- Blue (100%)



- Cyan (28%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4562, 0.2519, 0.1408 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 22.4562, 0.2519, 0.1408 by changing the saturation by 10% instead.


 22.4562, 0.2519,
0.1408


 22.4562, 0.2519,
0.1408


264.9195, 0.2879,
0.2256


 14.1925, 0.2420,
0.1233


 47.4988, 0.2658,
0.1690


 8.2547, 0.2290,
0.1030


 65.0466, 0.2708,
0.1804

 4.2583, 0.2117,
0.0797


 86.4578, 0.2750,
0.1903

 1.8191, 0.1881,
0.0539

 112.1168, 0.2784,
0.1991

 0.4990, 0.1559,
0.0251

 142.4081, 0.2813,
0.2069

 0.0000, 0.1120,
0.0000

177.7161, 0.2838,


 0.0000, 0.0217,

0.2138

0.0000


218.4251, 0.2860,
0.2200

 0.0000, 0.0000,
0.0000


 22.4562, 0.2519,
0.1408


 22.4562, 0.2519,
0.1408

 18.4009, 0.2410,
0.1218


 27.9903, 0.2629,
0.1642


 15.6522, 0.2305,
0.1080

 35.1575, 0.2735,
0.1908

 13.9463, 0.2210,
0.0991

 44.0859, 0.2834,
0.2191

 54.8924, 0.2923,
0.2479

 67.6834, 0.3001,
0.2762

82.5571, 0.3069,
0.3032

99.6052, 0.3126,
0.3285

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



22.4562, 0.1428, 0.1170



22.4562, 0.2519, 0.1408



22.4562, 0.4269, 0.1954

Triad

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



22.4562, 0.2519, 0.1408



22.4562, 0.5479, 0.4521



22.4562, 0.0920, 0.3065

Complementary

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



22.4562, 0.2519, 0.1408



78.3277, 0.3352, 0.5331

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.



22.4562, 0.1631, 0.5452



22.4562, 0.2519, 0.1408



22.4562, 0.4199, 0.5801

Square

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



22.4562, 0.2519, 0.1408



22.4562, 0.6232, 0.3499



22.4562, 0.2830, 0.6643



22.4562, 0.0742, 0.1730

Rectangle

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



22.4562, 0.2519, 0.1408



22.4562, 0.5454, 0.2443



22.4562, 0.2830, 0.6643



22.4562, 0.1086, 0.3788

Sweetspot

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



22.4544, 0.2519, 0.1408



66.6080, 0.2996, 0.2741



30.7436, 0.1981, 0.1902



13.4668, 0.2975, 0.2663



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.



22.4544, 0.2519, 0.1408



17.2185, 0.2369, 0.1160



32.7175, 0.3347, 0.1839



17.9150, 0.3073, 0.3051



7.3765, 0.2226, 0.1000



0.7819, 0.2335, 0.1060

Inverse Universe

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



28.5565, 0.4526, 0.2629



24.3612, 0.4955, 0.2633



73.8074, 0.2978, 0.5411



18.1080, 0.3231, 0.3195



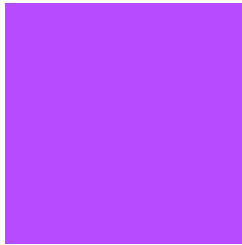
11.6426, 0.5377, 0.2735



1.1545, 0.5076, 0.2570

Previews

White Background



This preview shows how the Yxy color 22.4562, 0.2519, 0.1408 looks on a white background.

Color Contrast Check

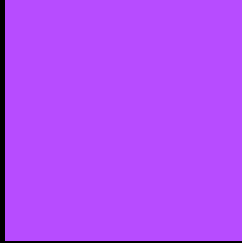
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4562, 0.2519, 0.1408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

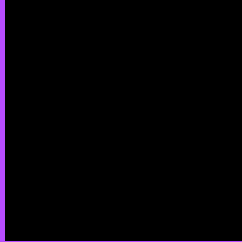
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4562, 0.2519, 0.1408

Background



This preview shows how black text looks on a background with the Yxy color 22.4562, 0.2519, 0.1408.



This preview shows how white text looks on a background with the Yxy color 22.4562, 0.2519, 0.1408.

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

22.4562, 0.2519, 0.1408

Protanopia

22.7701, 0.1817, 0.1548

Deuteranopia

22.7156, 0.1830, 0.1789



Tritanopia

22.3292, 0.3552, 0.3148

Trichromacy



Original Color

22.4562, 0.2519, 0.1408



Protanomaly

20.4865, 0.1943, 0.1404



Deuteranomaly

19.1924, 0.1860, 0.1479



Tritanomaly

21.1915, 0.3114, 0.2287

Monochromacy



Original Color

22.4562, 0.2519, 0.1408



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.2892, 0.2870, 0.2299

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4562, 0.2519, 0.1408 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(183, 76, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 76, 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(183, 76, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 76, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.4562, 0.2519, 0.1408 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(183, 76, 255) }
```

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

```
.border{ border-color:rgb(183, 76, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 76, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 76, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 76, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 76,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4562, 0.2519, 0.1408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 76, 255) }
```

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

```
.background{ background-color: rgb(183, 76,  
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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