

Converting Colors

Yxy(22.4891, 0.2553, 0.1404)

Have a look what the booklet for
Yxy(22.4891, 0.2553, 0.1404)
contains.

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Color

Yxy(22.5499, 0.2553, 0.1407)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | BB49FF |
| RGB | 187, 73, 255 |
| RGB Percent | 73%, 29%, 100% |
| CMY | 0.2669, 0.7135, 0.0000 |
| CMYK | 0.27, 0.71, 0.00, 0.00 |
| HSL | 278°, 100%, 64% |
| HSV | 278°, 71%, 100% |
| XYZ | 40.9168, 22.5499, 96.8027 |
| YIQ | 127.8340, 9.5220, 80.7700 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|--|
| RYB | 187, 73, 255 |
| Decimal | 12274175 |
| CIELab | 54.61, 73.20, -70.58 |
| CIElCh | 55, 101.684, 316.045 |
| Yxy | 22.5499, 0.2553, 0.1407 |
| Android (android.graphics.Color) | 4290464255 (0xFFBB49FF) |
| YUV | 127.8340, 62.6928, 51.8886 |
| Hunter-Lab | 47.4867, 70.7021, -87.6232 |

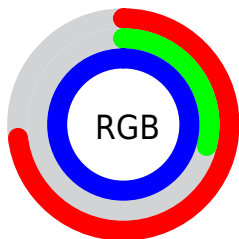
Details

The Yxy color **22.5499, 0.2553, 0.1407** is a light color, and the websafe version is hex **CC33FF**.

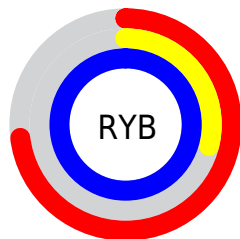
The color can be described as light washed purple. A complement of this color would be **77.6726, 0.3321, 0.5378**, and the grayscale version is **21.3086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9594, 0.3113, 0.2077**, and **8.6204, 0.2341, 0.1063** is the 20% darker color. If you saturate the color by 10%, you get **18.6935, 0.2451, 0.1228**, and if you desaturate by 10%, it is **27.8605, 0.2656, 0.1631**.

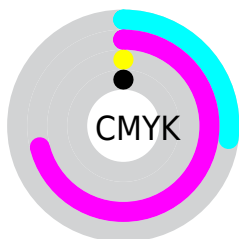
Distribution



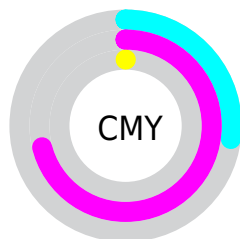
- Red (73%)
- Green (29%)
- Blue (100%)



- Red (73%)
- Yellow (29%)
- Blue (100%)



- Cyan (27%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5499, 0.2553, 0.1407 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 22.5499, 0.2553, 0.1407 by changing the saturation by 10% instead.


 22.5499, 0.2553,
0.1407


 22.5499, 0.2553,
0.1407


265.4047, 0.2896,
0.2254


 14.2615, 0.2457,
0.1232


 47.6532, 0.2687,
0.1688

 8.3028, 0.2332,
0.1030


 65.2369, 0.2735,
0.1802


 4.2893, 0.2164,
0.0798


 86.6878, 0.2774,
0.1901

 1.8367, 0.1933,
0.0541

 112.3904, 0.2807,
0.1989

 0.5099, 0.1617,
0.0255

 142.7289, 0.2835,
0.2067

 0.0000, 0.1181,
0.0000

178.0879, 0.2858,

 0.0000, 0.0323,

0.2136

0.0000

218.8517, 0.2879,
0.2198

0.0000, 0.0000,
0.0000

22.5499, 0.2553,
0.1407

22.5499, 0.2553,
0.1407

18.6935, 0.2451,
0.1228

27.8605, 0.2656,
0.1631

16.1074, 0.2353,
0.1100


34.7738, 0.2755,
0.1888


14.6557, 0.2273,
0.1026

43.4223, 0.2847,
0.2166

53.9236, 0.2930,
0.2451

66.3848, 0.3004,
0.2733

 80.9048, 0.3067,
0.3003

 97.5755, 0.3121,
0.3257

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.



22.5499, 0.1438, 0.1160



22.5499, 0.2553, 0.1407



22.5499, 0.4332, 0.1963

Triad

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



22.5499, 0.2553, 0.1407



22.5499, 0.5453, 0.4547



22.5499, 0.0894, 0.3005

Complementary

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



22.5499, 0.2553, 0.1407



77.6726, 0.3321, 0.5378

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.



22.5499, 0.1587, 0.5412



22.5499, 0.2553, 0.1407



22.5499, 0.4154, 0.5846

Square

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



22.5499, 0.2553, 0.1407



22.5499, 0.6244, 0.3514



22.5499, 0.2781, 0.6679



22.5499, 0.0730, 0.1694

Rectangle

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



22.5499, 0.2553, 0.1407



22.5499, 0.5517, 0.2455



22.5499, 0.2781, 0.6679



22.5499, 0.1054, 0.3724

Sweetspot

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



22.5507, 0.2553, 0.1407



66.8610, 0.3006, 0.2742



28.2229, 0.1945, 0.1795



13.5271, 0.2987, 0.2666



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.



22.5507, 0.2553, 0.1407



17.3461, 0.2404, 0.1162



31.9592, 0.3415, 0.1867



17.9411, 0.3078, 0.3051



7.7460, 0.2288, 0.1034



0.8166, 0.2392, 0.1091

Inverse Universe

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



27.9578, 0.4636, 0.2676



23.8049, 0.5116, 0.2699



73.7512, 0.2958, 0.5381



18.0994, 0.3235, 0.3201



11.5705, 0.5489, 0.2797



1.1469, 0.5179, 0.2627

Previews

White Background



This preview shows how the Yxy color 22.5499, 0.2553, 0.1407 looks on a white background.

Color Contrast Check

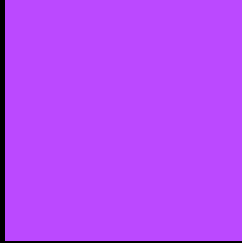
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5499, 0.2553, 0.1407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

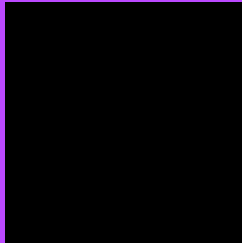
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5499, 0.2553, 0.1407

Background



This preview shows how black text looks on a background with the Yxy color 22.5499, 0.2553, 0.1407.



This preview shows how white text looks on a background with the Yxy color 22.5499, 0.2553, 0.1407.

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

22.5499, 0.2553, 0.1407

Protanopia

23.0769, 0.1825, 0.1563

Deuteranopia

22.7156, 0.1830, 0.1789



Tritanopia

22.2283, 0.3635, 0.3151

Trichromacy



Original Color

22.5499, 0.2553, 0.1407



Protanomaly

20.4447, 0.1956, 0.1400



Deuteranomaly

19.0086, 0.1861, 0.1468



Tritanomaly

21.2087, 0.3174, 0.2287

Monochromacy



Original Color

22.5499, 0.2553, 0.1407



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.1707, 0.2881, 0.2288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5499, 0.2553, 0.1407 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(187, 73, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 73, 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(187, 73, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 73, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.5499, 0.2553, 0.1407 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(187, 73, 255) }
```

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

```
.border{ border-color:rgb(187, 73, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 73, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 73, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 73, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 73,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5499, 0.2553, 0.1407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 73, 255) }
```

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

```
.background{ background-color: rgb(187, 73,  
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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