

Converting Colors

$Y_{xy}(24.9903, 0.2641, 0.1506)$

Have a look what the booklet for
Yxy(24.9903, 0.2641, 0.1506)
contains.

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Color

Yxy(24.9903, 0.2641, 0.1506)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C452FF |
| RGB | 196, 82, 255 |
| RGB Percent | 77%, 32%, 100% |
| CMY | 0.2315, 0.6783, 0.0000 |
| CMYK | 0.23, 0.68, 0.00, 0.00 |
| HSL | 280°, 100%, 66% |
| HSV | 280°, 68%, 100% |
| XYZ | 43.8243, 24.9903, 97.1237 |
| YIQ | 135.8080, 12.4110, 77.9710 |

Conversions

Conversions Part 2

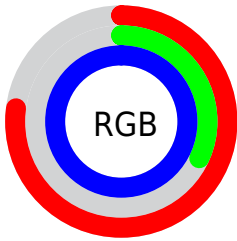
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 196, 82, 255 |
| Decimal | 12866303 |
| CIE _{Lab} | 57.07, 71.33, -66.55 |
| CIE _{LCh} | 57, 97.557, 316.988 |
| Yxy | 24.9903, 0.2641, 0.1506 |
| Android (android.graphics.Color) | 4291056383 (0xFFC452FF) |
| YUV | 135.8080, 58.7617, 52.7884 |
| Hunter-Lab | 49.9903, 69.0001, -80.1984 |

Details

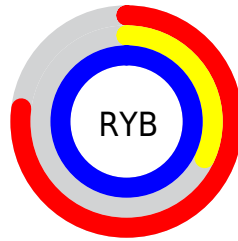
The Yxy color **24.9903, 0.2641, 0.1506** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **77.7995, 0.3295, 0.5309**, and the grayscale version is **24.3225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9452, 0.3179, 0.2178**, and **9.5450, 0.2451, 0.1141** is the 20% darker color. If you saturate the color by 10%, you get **20.6981, 0.2547, 0.1316**, and if you desaturate by 10%, it is **30.7799, 0.2734, 0.1737**.

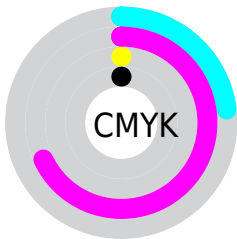
Distribution



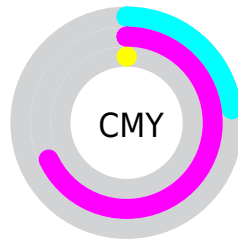
- Red (77%)
- Green (32%)
- Blue (100%)



- Red (77%)
- Yellow (32%)
- Blue (100%)



- Cyan (23%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)




- Cyan (23%)
- Magenta (68%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9903, 0.2641, 0.1506 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 24.9903, 0.2641, 0.1506 by changing the saturation by 10% instead.

 24.9903, 0.2641,
0.1506


 24.9903, 0.2641,
0.1506


277.7896, 0.2934,
0.2310


 16.0698, 0.2559,
0.1338


 51.6415, 0.2756,
0.1774


 9.5736, 0.2450,
0.1142


 70.1410, 0.2796,
0.1882

 5.1172, 0.2303,
0.0914


 92.6023, 0.2830,
0.1976

 2.3162, 0.2099,
0.0654

 119.4098, 0.2858,
0.2059

 0.7822, 0.1809,
0.0374

150.9479, 0.2881,
0.2133

 0.0000, 0.1412,
0.0000

187.6010, 0.2901,

 0.0000, 0.0701,

0.2198

0.0000

229.7534, 0.2919,
0.2257

0.0000, 0.0000,
0.0000

24.9903, 0.2641,
0.1506

24.9903, 0.2641,
0.1506

20.6981, 0.2547,
0.1316

30.7799, 0.2734,
0.1737

17.7324, 0.2455,
0.1176

38.2074, 0.2822,
0.1997


15.8693, 0.2368,
0.1084

47.3996, 0.2903,
0.2274

15.5400, 0.2349,
0.1068

58.4696, 0.2975,
0.2555

71.5212, 0.3038,
0.2831

 86.6502, 0.3091,
0.3095

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.



24.9903, 0.1546, 0.1254



24.9903, 0.2641, 0.1506



24.9903, 0.4314, 0.2057

Triad

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



24.9903, 0.2641, 0.1506



24.9903, 0.5355, 0.4602



24.9903, 0.0992, 0.2995

Complementary

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



24.9903, 0.2641, 0.1506



77.7995, 0.3295, 0.5309

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.



24.9903, 0.1671, 0.5164



24.9903, 0.2641, 0.1506



24.9903, 0.4135, 0.5783

Square

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



24.9903, 0.2641, 0.1506



24.9903, 0.6081, 0.3600



24.9903, 0.2830, 0.6434



24.9903, 0.0825, 0.1770

Rectangle

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



24.9903, 0.2641, 0.1506



24.9903, 0.5401, 0.2542



24.9903, 0.2830, 0.6434



24.9903, 0.1151, 0.3647

Sweetspot

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



24.9911, 0.2641, 0.1506



68.5122, 0.3025, 0.2772



28.5335, 0.1977, 0.1803



13.8620, 0.3008, 0.2695



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.



24.9911, 0.2641, 0.1506



19.6224, 0.2517, 0.1266



32.9609, 0.3460, 0.1952



17.9718, 0.3083, 0.3052



8.2057, 0.2363, 0.1075



0.8593, 0.2460, 0.1129

Inverse Universe

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



29.2261, 0.4604, 0.2742



24.7417, 0.5061, 0.2743



74.3980, 0.2940, 0.5214



18.0894, 0.3240, 0.3209



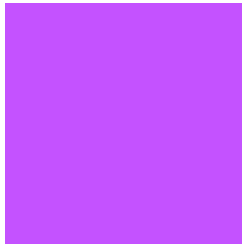
11.4938, 0.5616, 0.2868



1.1386, 0.5300, 0.2693

Previews

White Background



This preview shows how the Yxy color 24.9903, 0.2641, 0.1506 looks on a white background.

Color Contrast Check

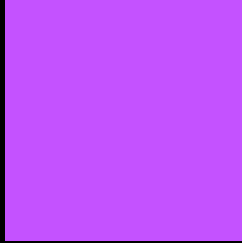
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9903, 0.2641, 0.1506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

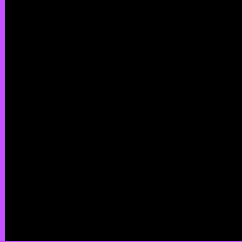
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9903, 0.2641, 0.1506

Background



This preview shows how black text looks on a background with the Yxy color 24.9903, 0.2641, 0.1506.

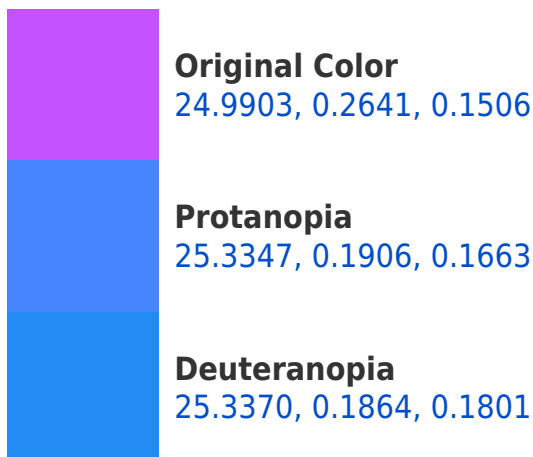


This preview shows how white text looks on a background with the Yxy color 24.9903, 0.2641, 0.1506.

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





Tritanopia

24.7879, 0.3690, 0.3159

Trichromacy



Original Color

24.9903, 0.2641, 0.1506



Protanomaly

22.9676, 0.2062, 0.1515



Deuteranomaly

22.0613, 0.1973, 0.1558



Tritanomaly

23.7173, 0.3253, 0.2365

Monochromacy



Original Color

24.9903, 0.2641, 0.1506



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.0146, 0.2934, 0.2371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9903, 0.2641, 0.1506 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(196, 82, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 82, 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(196, 82, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 82, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.9903, 0.2641, 0.1506 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(196, 82, 255) }
```

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

```
.border{ border-color:rgb(196, 82, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 82, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 82, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 82, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 82,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9903, 0.2641, 0.1506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 82, 255) }
```

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

```
.background{ background-color: rgb(196, 82,  
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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