

Converting Colors

$Y_{xy}(24.2237, 0.2494, 0.1502)$

Have a look what the booklet for
Yxy(24.2237, 0.2494, 0.1502)
contains.

| | |
|--|----|
| Yxy(24.2859, 0.2495, 0.1501) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(24.2859, 0.2495, 0.1501)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B35BFF |
| RGB | 179, 91, 255 |
| RGB Percent | 70%, 36%, 100% |
| CMY | 0.2982, 0.6429, 0.0001 |
| CMYK | 0.30, 0.64, 0.00, 0.00 |
| HSL | 272°, 100%, 68% |
| HSV | 272°, 64%, 100% |
| XYZ | 40.3686, 24.2859, 97.1436 |
| YIQ | 136.0080, -0.1960, 69.6600 |

Conversions

Conversions Part 2

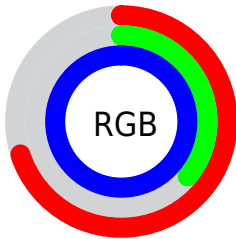
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 179, 91, 255 |
| Decimal | 11754495 |
| CIE Lab | 56.37, 63.89, -67.76 |
| CIE LCh | 56, 93.128, 313.318 |
| Yxy | 24.2859, 0.2495, 0.1501 |
| Android (android.graphics.Color) | 4289944575 (0xFFB35BFF) |
| YUV | 136.0080, 58.6631, 37.7040 |
| Hunter-Lab | 49.2807, 59.9782, -82.3777 |

Details

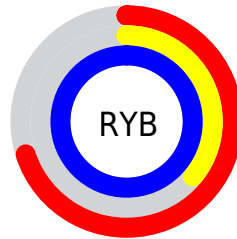
The Yxy color **24.2859, 0.2495, 0.1501** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **80.4817, 0.3420, 0.5136**, and the grayscale version is **24.4048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1285, 0.3041, 0.2195**, and **9.1683, 0.2266, 0.1129** is the 20% darker color. If you saturate the color by 10%, you get **19.2918, 0.2370, 0.1272**, and if you desaturate by 10%, it is **30.8829, 0.2619, 0.1767**.

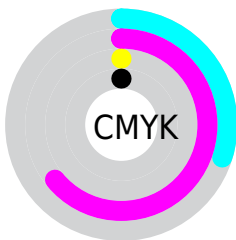
Distribution



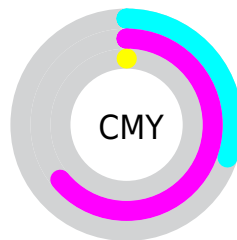
- Red (70%)
- Green (36%)
- Blue (100%)



- Red (70%)
- Yellow (36%)
- Blue (100%)



- Cyan (30%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2859, 0.2495, 0.1501 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 24.2859, 0.2495, 0.1501 by changing the saturation by 10% instead.


 24.2859, 0.2495,
0.1501


 24.2859, 0.2495,
0.1501

274.2627, 0.2858,
0.2314


 15.5458, 0.2397,
0.1330


 50.4963, 0.2634,
0.1773

 9.2034, 0.2269,
0.1130


 68.7355, 0.2685,
0.1883

 4.8741, 0.2099,
0.0898


 90.9099, 0.2726,
0.1978

 2.1736, 0.1869,
0.0634

 117.4037, 0.2762,
0.2062

 0.7055, 0.1551,
0.0349

148.6016, 0.2791,
0.2136

 0.0000, 0.1129,
0.0000

184.8878, 0.2817,

 0.0000, 0.0243,

0.2202

0.0000

226.6467, 0.2839,
0.2261

■ 0.0000, 0.0000,
0.0000

■ 24.2859, 0.2495,
0.1501

■ 24.2859, 0.2495,
0.1501

■ 19.2918, 0.2370,
0.1272

■ 30.8829, 0.2619,
0.1767

■ 15.7379, 0.2248,
0.1093

■ 39.2180, 0.2737,
0.2055

■ 13.4297, 0.2136,
0.0968

■ 49.4149, 0.2846,
0.2351

■ 12.5132, 0.2077,
0.0918

■ 61.5847, 0.2943,
0.2643

■ 75.8298, 0.3027,
0.2923

 92.2453, 0.3100,
0.3184

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



24.2859, 0.1495, 0.1288



24.2859, 0.2495, 0.1501



24.2859, 0.4066, 0.2012

Triad

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



24.2859, 0.2495, 0.1501



24.2859, 0.5432, 0.4466



24.2859, 0.1098, 0.3234

Complementary

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



24.2859, 0.2495, 0.1501



80.4817, 0.3420, 0.5136

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.



24.2859, 0.1846, 0.5336



24.2859, 0.2495, 0.1501



24.2859, 0.4297, 0.5598

Square

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



24.2859, 0.2495, 0.1501



24.2859, 0.6034, 0.3520



24.2859, 0.3021, 0.6322



24.2859, 0.0873, 0.1916

Rectangle

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



24.2859, 0.2495, 0.1501



24.2859, 0.5155, 0.2480



24.2859, 0.3021, 0.6322



24.2859, 0.1282, 0.3899

Sweetspot

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



24.2868, 0.2495, 0.1501



68.8726, 0.2989, 0.2793



37.2833, 0.2092, 0.2150



13.8842, 0.2964, 0.2712



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.



24.2868, 0.2495, 0.1501



18.1980, 0.2336, 0.1218



35.6168, 0.3247, 0.1861



17.8574, 0.3063, 0.3050



6.6298, 0.2093, 0.0927



0.7106, 0.2212, 0.0992

Inverse Universe

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



31.5382, 0.4209, 0.2555



26.5448, 0.4548, 0.2501



74.5829, 0.3011, 0.5322



18.1273, 0.3221, 0.3180



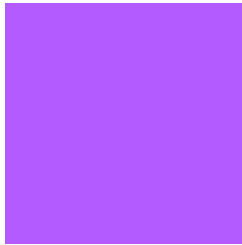
11.8250, 0.5118, 0.2593



1.1732, 0.4844, 0.2442

Previews

White Background



This preview shows how the Yxy color 24.2859, 0.2495, 0.1501 looks on a white background.

Color Contrast Check

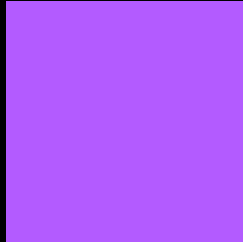
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2859, 0.2495, 0.1501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

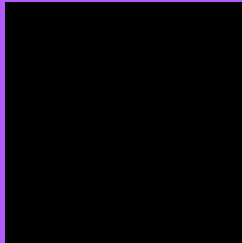
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2859, 0.2495, 0.1501

Background



This preview shows how black text looks on a background with the Yxy color 24.2859, 0.2495, 0.1501.



This preview shows how white text looks on a background with the Yxy color 24.2859, 0.2495, 0.1501.

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

24.2859, 0.2495, 0.1501

Protanopia

24.6108, 0.1883, 0.1631

Deuteranopia

24.7086, 0.1827, 0.1776



Tritanopia

24.1244, 0.3384, 0.3148

Trichromacy



Original Color

24.2859, 0.2495, 0.1501



Protanomaly

22.8366, 0.2016, 0.1516



Deuteranomaly

21.5759, 0.1866, 0.1551



Tritanomaly

23.2886, 0.3011, 0.2363

Monochromacy



Original Color

24.2859, 0.2495, 0.1501



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.3630, 0.2870, 0.2412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2859, 0.2495, 0.1501 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(179, 91, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 91, 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(179, 91, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 91, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.2859, 0.2495, 0.1501 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(179, 91, 255) }
```

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

```
.border{ border-color:rgb(179, 91, 255) }
```

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

Here you see how a box with a 4 pixel rgb(179, 91, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 91, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 91, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 91,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2859, 0.2495, 0.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 91, 255) }
```

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

```
.background{ background-color: rgb(179, 91,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor