

Converting Colors

$Y_{xy}(24.2688, 0.3193, 0.1843)$

Have a look what the booklet for
Yxy(24.2688, 0.3193, 0.1843)
contains.

Yxy(24.2580, 0.3195, 0.1841)	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(24.2580, 0.3195, 0.1841)

Conversions

Conversions Part 1

Format	Color
Hex	D54DD5
RGB	213, 77, 213
RGB Percent	84%, 30%, 84%
CMY	0.1648, 0.6979, 0.1647
CMYK	0.00, 0.64, 0.00, 0.16
HSL	300°, 62%, 57%
HSV	300°, 64%, 84%
XYZ	42.0990, 24.2580, 65.4083
YIQ	133.1680, 37.4000, 71.1280

Conversions

Conversions Part 2

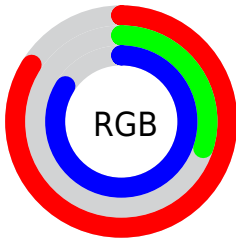
Format	Color
R _Y B	213, 77, 213
Decimal	13979093
CIE Lab	56.35, 69.30, -44.02
CIE LCh	56, 82.103, 327.577
Yxy	24.2580, 0.3195, 0.1841
Android (android.graphics.Color)	4292169173 (0xFFD54DD5)
YUV	133.1680, 39.3572, 70.0127
Hunter-Lab	49.2524, 66.3831, -44.2618

Details

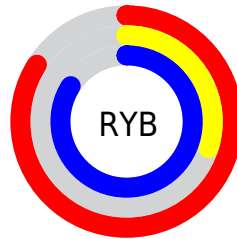
The Yxy color **24.2580, 0.3195, 0.1841** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **49.7003, 0.3031, 0.5342**, and the grayscale version is **23.3680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8079, 0.3181, 0.2144**, and **9.4372, 0.3163, 0.1516** is the 20% darker color. If you saturate the color by 10%, you get **21.7490, 0.3201, 0.1705**, and if you desaturate by 10%, it is **27.7447, 0.3187, 0.2017**.

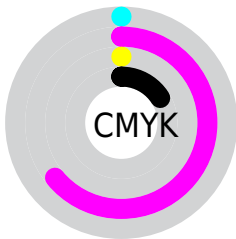
Distribution



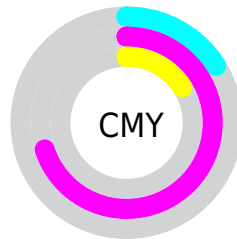
- Red (84%)
- Green (30%)
- Blue (84%)



- Red (84%)
- Yellow (30%)
- Blue (84%)



- Cyan (0%)
- Magenta (64%)
- Yellow (0%)
- Black (16%)





- Cyan (16%)
- Magenta (70%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2580, 0.3195, 0.1841 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 24.2580, 0.3195, 0.1841 by changing the saturation by 10% instead.


 24.2580, 0.3195,
0.1841

 24.2580, 0.3195,
0.1841


274.1223, 0.3195,
0.2532


 15.5251, 0.3184,
0.1683


 50.4509, 0.3203,
0.2082

 9.1887, 0.3164,
0.1491


 68.6797, 0.3204,
0.2176

 4.8645, 0.3128,
0.1253


 90.8426, 0.3203,
0.2256

 2.1680, 0.3059,
0.0959

 117.3240, 0.3202,
0.2326

 0.7025, 0.2924,
0.0595

 148.5082, 0.3200,
0.2387

 0.0000, 0.2695,
0.0000

184.7798, 0.3199,

 0.0000, 0.1444,

0.2441

0.0000

226.5230, 0.3197,
0.2489

■ 0.0000, 0.0000,
0.0000

■ 24.2580, 0.3195,
0.1841

■ 24.2580, 0.3195,
0.1841

■ 21.7490, 0.3201,
0.1705

■ 27.7447, 0.3187,
0.2017

■ 20.1152, 0.3206,
0.1611

■ 32.2918, 0.3177,
0.2225

■ 19.2372, 0.3208,
0.1559

■ 37.9769, 0.3166,
0.2456

■ 18.9456, 0.3209,
0.1541

■ 44.8696, 0.3155,
0.2701

■ 53.0338, 0.3143,
0.2951

■ 62.5289, 0.3131,
0.3198

■ 73.4108, 0.3120,
0.3435

■ 85.7317, 0.3110,
0.3660

■ 90.4693, 0.3106,
0.3737

Harmonies

Analogous

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



24.2580, 0.2014, 0.1500



24.2580, 0.3195, 0.1841



24.2580, 0.4674, 0.2441

Triad

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



24.2580, 0.3195, 0.1841



24.2580, 0.4849, 0.4935



24.2580, 0.1113, 0.2600

Complementary

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



24.2580, 0.3195, 0.1841



49.7003, 0.3031, 0.5342

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.



24.2580, 0.1598, 0.4200



24.2580, 0.3195, 0.1841



24.2580, 0.3737, 0.5806

Square

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



24.2580, 0.3195, 0.1841



24.2580, 0.5632, 0.3987



24.2580, 0.2567, 0.5740



24.2580, 0.1056, 0.1754

Rectangle

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



24.2580, 0.3195, 0.1841



24.2580, 0.5440, 0.2923



24.2580, 0.2567, 0.5740



24.2580, 0.1219, 0.3053

Sweetspot

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



24.2591, 0.3195, 0.1841



72.8871, 0.3149, 0.2817



12.0181, 0.1899, 0.1275



14.8638, 0.3153, 0.2745



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.



24.2591, 0.3195, 0.1841



31.5687, 0.3203, 0.1662



21.5726, 0.4068, 0.2480



12.6327, 0.3138, 0.3060



11.5739, 0.3209, 0.1541



0.6981, 0.3209, 0.1541

Inverse Universe

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



19.9938, 0.5182, 0.3296



24.6644, 0.5825, 0.3298



51.1390, 0.2717, 0.4370



12.4208, 0.3291, 0.3290



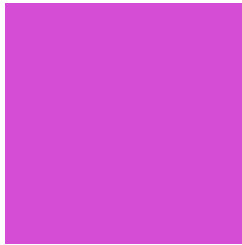
8.6411, 0.6401, 0.3300



0.5212, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 24.2580, 0.3195, 0.1841 looks on a white background.

Color Contrast Check

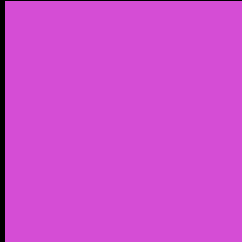
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2580, 0.3195, 0.1841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

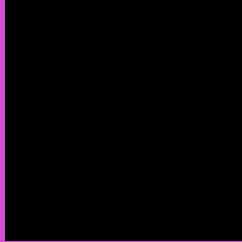
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2580, 0.3195, 0.1841

Background



This preview shows how black text looks on a background with the Yxy color 24.2580, 0.3195, 0.1841.

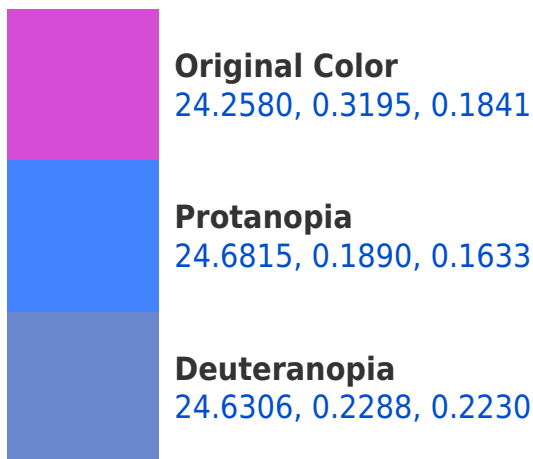


This preview shows how white text looks on a background with the Yxy color 24.2580, 0.3195, 0.1841.

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

24.1478, 0.4295, 0.3202

Trichromacy



Original Color

24.2580, 0.3195, 0.1841



Protanomaly

21.7251, 0.2153, 0.1596



Deuteranomaly

22.4689, 0.2545, 0.1987



Tritanomaly

23.5469, 0.3875, 0.2617

Monochromacy



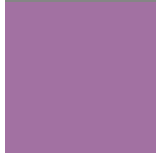
Original Color

24.2580, 0.3195, 0.1841



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

22.1003, 0.3162, 0.2557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2580, 0.3195, 0.1841 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(213, 77, 213)` looks like.

```
.text, #text, p{  
    color:rgb(213, 77, 213)  
}
```

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(213, 77, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 77, 213) }
```

Border

The CSS property to change the border of an element to Yxy 24.2580, 0.3195, 0.1841 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(213, 77, 213) }
```

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

```
.border{ border-color:rgb(213, 77, 213) }
```

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

Here you see how a box with a 4 pixel rgb(213, 77, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 77, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 77, 213);  
box-shadow:4px 4px 4px 4px rgb(213, 77,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2580, 0.3195, 0.1841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 77, 213) }
```

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

```
.background{ background-color: rgb(213, 77,  
213) }
```

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