

Converting Colors

$Y_{xy}(25.3599, 0.2945, 0.1789)$

Have a look what the booklet for
Yxy(25.3599, 0.2945, 0.1789)
contains.

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Color

Yxy(25.3599, 0.2945, 0.1789)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | CA5AE2 |
| RGB | 202, 90, 226 |
| RGB Percent | 79%, 35%, 89% |
| CMY | 0.2077, 0.6471, 0.1137 |
| CMYK | 0.11, 0.60, 0.00, 0.11 |
| HSL | 289°, 70%, 62% |
| HSV | 289°, 60%, 89% |
| XYZ | 41.7467, 25.3599, 74.6480 |
| YIQ | 138.9920, 23.0960, 66.0400 |

Conversions

Conversions Part 2

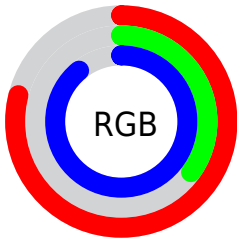
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 202, 90, 226 |
| Decimal | 13261538 |
| CIE Lab | 57.42, 63.59, -49.76 |
| CIE LCh | 57, 80.742, 321.955 |
| Yxy | 25.3599, 0.2945, 0.1789 |
| Android (android.graphics.Color) | 4291451618 (0xFFCA5AE2) |
| YUV | 138.9920, 42.8949, 55.2580 |
| Hunter-Lab | 50.3586, 59.8469, -52.6362 |

Details

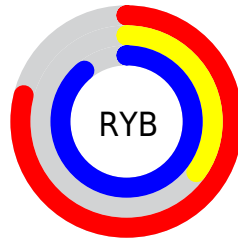
The Yxy color **25.3599, 0.2945, 0.1789** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **58.7065, 0.3162, 0.5159**, and the grayscale version is **25.6396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0378, 0.3176, 0.2239**, and **9.8008, 0.2846, 0.1440** is the 20% darker color. If you saturate the color by 10%, you get **21.5630, 0.2900, 0.1601**, and if you desaturate by 10%, it is **30.3318, 0.2987, 0.2011**.

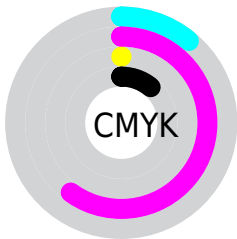
Distribution



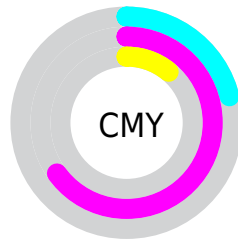
- Red (79%)
- Green (35%)
- Blue (89%)



- Red (79%)
- Yellow (35%)
- Blue (89%)



- Cyan (11%)
- Magenta (60%)
- Yellow (0%)
- Black (11%)





- Cyan (21%)
- Magenta (65%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3599, 0.2945, 0.1789 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 25.3599, 0.2945, 0.1789 by changing the saturation by 10% instead.


 25.3599, 0.2945,
0.1789


 25.3599, 0.2945,
0.1789


279.6256, 0.3075,
0.2497


 16.3454, 0.2902,
0.1630


 52.2405, 0.3001,
0.2034


 9.7689, 0.2841,
0.1438


 70.8754, 0.3019,
0.2129

 5.2460, 0.2751,
0.1204


 93.4858, 0.3034,
0.2212

 2.3923, 0.2613,
0.0918

 120.4562, 0.3046,
0.2284

 0.8219, 0.2389,
0.0580

152.1710, 0.3055,
0.2347

 0.0000, 0.2053,
0.0000

189.0146, 0.3063,

 0.0000, 0.0889,

0.2403

0.0000

231.3713, 0.3070,
0.2452

0.0000, 0.0000,
0.0000

25.3599, 0.2945,
0.1789

25.3599, 0.2945,
0.1789

21.5630, 0.2900,
0.1601

30.3318, 0.2987,
0.2011

18.8290, 0.2854,
0.1455

36.5708, 0.3024,
0.2258

17.0294, 0.2807,
0.1355

44.1635, 0.3057,
0.2517

15.9518, 0.2761,
0.1295

53.1877, 0.3085,
0.2780

63.7156, 0.3108,
0.3038

■ 75.8143, 0.3127,
0.3286

■ 89.5468, 0.3141,
0.3518

■ 94.4858, 0.3163,
0.3584

■ 95.1672, 0.3188,
0.3581

Harmonies

Analogous

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



25.3599, 0.1882, 0.1506



25.3599, 0.2945, 0.1789



25.3599, 0.4369, 0.2339

Triad

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



25.3599, 0.2945, 0.1789



25.3599, 0.5004, 0.4738



25.3599, 0.1211, 0.2864

Complementary

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



25.3599, 0.2945, 0.1789



58.7065, 0.3162, 0.5159

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.



25.3599, 0.1788, 0.4506



25.3599, 0.2945, 0.1789



25.3599, 0.3958, 0.5625

Square

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



25.3599, 0.2945, 0.1789



25.3599, 0.5650, 0.3836



25.3599, 0.2806, 0.5786



25.3599, 0.1082, 0.1901

Rectangle

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



25.3599, 0.2945, 0.1789



25.3599, 0.5200, 0.2804



25.3599, 0.2806, 0.5786



25.3599, 0.1347, 0.3354

Sweetspot

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



25.3610, 0.2945, 0.1789



72.6279, 0.3090, 0.2834



19.9066, 0.2031, 0.1680



14.7329, 0.3083, 0.2757



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.



25.3610, 0.2945, 0.1789



27.4087, 0.2890, 0.1564



26.8942, 0.3688, 0.2277



13.8071, 0.3110, 0.3057



9.1469, 0.2768, 0.1299



0.6665, 0.2840, 0.1338

Inverse Universe

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



24.6921, 0.4674, 0.3033



26.8121, 0.5192, 0.3026



58.2620, 0.2841, 0.4643



13.7398, 0.3264, 0.3249



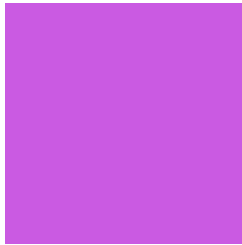
9.3233, 0.6128, 0.3149



0.6581, 0.5721, 0.2925

Previews

White Background



This preview shows how the Yxy color 25.3599, 0.2945, 0.1789 looks on a white background.

Color Contrast Check

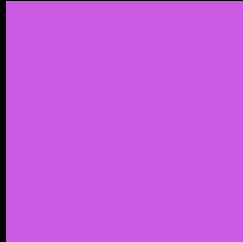
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3599, 0.2945, 0.1789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

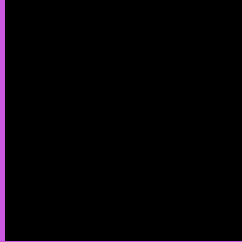
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3599, 0.2945, 0.1789

Background



This preview shows how black text looks on a background with the Yxy color 25.3599, 0.2945, 0.1789.

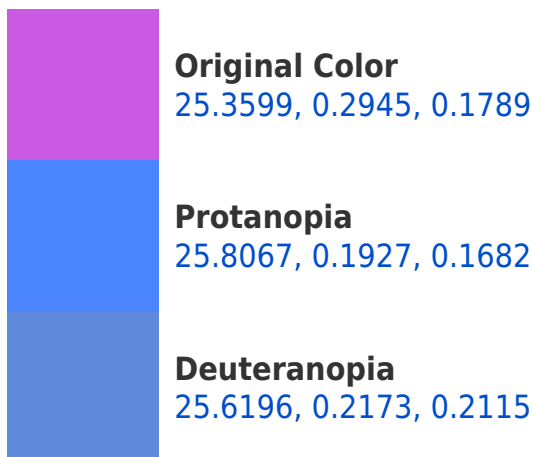


This preview shows how white text looks on a background with the Yxy color 25.3599, 0.2945, 0.1789.

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

25.3080, 0.3916, 0.3167

Trichromacy



Original Color

25.3599, 0.2945, 0.1789



Protanomaly

23.6261, 0.2156, 0.1652



Deuteranomaly

23.9104, 0.2381, 0.1924



Tritanomaly

24.8388, 0.3539, 0.2569

Monochromacy



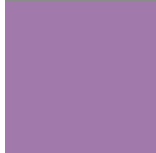
Original Color

25.3599, 0.2945, 0.1789



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.2964, 0.3060, 0.2556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3599, 0.2945, 0.1789 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(202, 90, 226)` looks like.

```
.text, #text, p{  
    color:rgb(202, 90, 226)  
}
```

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(202, 90, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 90, 226) }
```

Border

The CSS property to change the border of an element to Yxy 25.3599, 0.2945, 0.1789 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(202, 90, 226) }
```

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

```
.border{ border-color:rgb(202, 90, 226) }
```

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

Here you see how a box with a 4 pixel rgb(202, 90, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 90, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 90, 226);  
box-shadow:4px 4px 4px 4px rgb(202, 90,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3599, 0.2945, 0.1789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 90, 226) }
```

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

```
.background{ background-color: rgb(202, 90,  
226) }
```

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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