

Converting Colors

$Y_{xy}(25.0018, 0.2960, 0.1845)$

Have a look what the booklet for
Yxy(25.0018, 0.2960, 0.1845)
contains.

Yxy(25.0018, 0.2960, 0.1845)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.0018, 0.2960, 0.1845)

Conversions

Conversions Part 1

Format	Color
Hex	C65DDC
RGB	198, 93, 220
RGB Percent	78%, 36%, 86%
CMY	0.2237, 0.6351, 0.1374
CMYK	0.10, 0.58, 0.00, 0.14
HSL	290°, 64%, 61%
HSV	290°, 58%, 86%
XYZ	40.1113, 25.0018, 70.3980
YIQ	138.8730, 21.8130, 61.7570

Conversions

Conversions Part 2

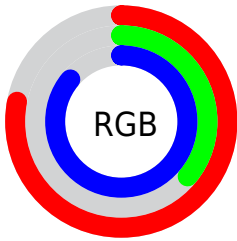
Format	Color
RYB	198, 93, 220
Decimal	13000156
CIELab	57.08, 60.05, -46.95
CIELCh	57, 76.225, 321.984
Yxy	25.0018, 0.2960, 0.1845
Android (android.graphics.Color)	4291190236 (0xFFC65DDC)
YUV	138.8730, 39.9956, 51.8544
Hunter-Lab	50.0018, 55.6890, -48.4737

Details

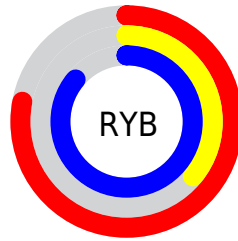
The Yxy color **25.0018, 0.2960, 0.1845** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **55.6071, 0.3163, 0.5077**, and the grayscale version is **25.6085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6598, 0.3176, 0.2257**, and **9.5451, 0.2865, 0.1495** is the 20% darker color. If you saturate the color by 10%, you get **21.1677, 0.2917, 0.1648**, and if you desaturate by 10%, it is **29.9615, 0.3000, 0.2074**.

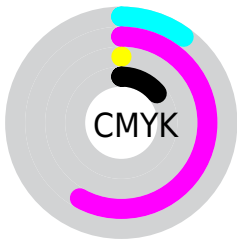
Distribution



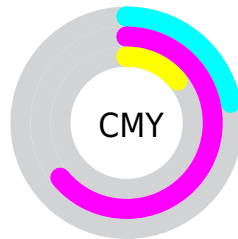
- Red (78%)
- Green (36%)
- Blue (86%)



- Red (78%)
- Yellow (36%)
- Blue (86%)



- Cyan (10%)
- Magenta (58%)
- Yellow (0%)
- Black (14%)



- Cyan (22%)
- Magenta (64%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0018, 0.2960, 0.1845 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 25.0018, 0.2960, 0.1845 by changing the saturation by 10% instead.


 25.0018, 0.2960,
0.1845


 25.0018, 0.2960,
0.1845


277.8469, 0.3080,
0.2534


 16.0784, 0.2919,
0.1688


 51.6601, 0.3012,
0.2085


 9.5796, 0.2862,
0.1496


 70.1639, 0.3029,
0.2179

 5.1212, 0.2776,
0.1260


 92.6298, 0.3042,
0.2259

 2.3185, 0.2642,
0.0968

 119.4424, 0.3053,
0.2329

 0.7835, 0.2421,
0.0614

150.9860, 0.3062,
0.2390

 0.0000, 0.2080,
0.0000

187.6450, 0.3069,

 0.0000, 0.0519,

0.2444


0.0000


229.8039, 0.3075,
0.2491

 0.0000, 0.0000,
0.0000


 25.0018, 0.2960,
0.1845


 25.0018, 0.2960,
0.1845

 21.1677, 0.2917,
0.1648


 29.9615, 0.3000,
0.2074


 18.3577, 0.2871,
0.1492

 36.1301, 0.3036,
0.2323

 16.4576, 0.2825,
0.1380

 43.5867, 0.3066,
0.2584

 15.3083, 0.2780,
0.1312

 52.4029, 0.3092,
0.2846

 15.0917, 0.2769,
0.1299

 62.6447, 0.3114,
0.3101

■ 74.3741, 0.3131,
0.3345

■ 87.6493, 0.3144,
0.3573

■ 93.2559, 0.3163,
0.3650

■ 93.8880, 0.3187,
0.3647

Harmonies

Analogous

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



25.0018, 0.1934, 0.1569



25.0018, 0.2960, 0.1845



25.0018, 0.4312, 0.2382

Triad

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



25.0018, 0.2960, 0.1845



25.0018, 0.4952, 0.4717



25.0018, 0.1285, 0.2897

Complementary

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



25.0018, 0.2960, 0.1845



55.6071, 0.3163, 0.5077

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.



25.0018, 0.1854, 0.4437



25.0018, 0.2960, 0.1845



25.0018, 0.3956, 0.5534

Square

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



25.0018, 0.2960, 0.1845



25.0018, 0.5550, 0.3849



25.0018, 0.2842, 0.5641



25.0018, 0.1150, 0.1964

Rectangle

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



25.0018, 0.2960, 0.1845



25.0018, 0.5099, 0.2836



25.0018, 0.2842, 0.5641



25.0018, 0.1420, 0.3361

Sweetspot

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



25.0029, 0.2960, 0.1845



73.9950, 0.3094, 0.2860



20.0572, 0.2079, 0.1758



15.2650, 0.3089, 0.2808



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.



25.0029, 0.2960, 0.1845



28.7476, 0.2908, 0.1616



26.3322, 0.3655, 0.2312



13.1548, 0.3110, 0.3058



8.9034, 0.2776, 0.1303



0.6075, 0.2851, 0.1344

Inverse Universe

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



24.2848, 0.4577, 0.3043



27.9750, 0.5070, 0.3029



55.1978, 0.2847, 0.4574



13.0882, 0.3264, 0.3250



9.0239, 0.6133, 0.3152



0.5960, 0.5704, 0.2916

Previews

White Background



This preview shows how the Yxy color 25.0018, 0.2960, 0.1845 looks on a white background.

Color Contrast Check

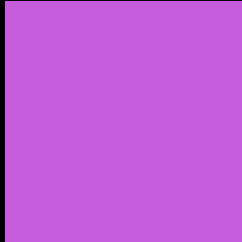
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0018, 0.2960, 0.1845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

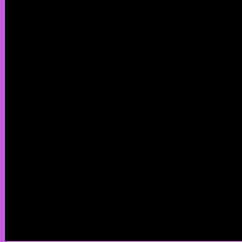
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0018, 0.2960, 0.1845

Background



This preview shows how black text looks on a background with the Yxy color 25.0018, 0.2960, 0.1845.



This preview shows how white text looks on a background with the Yxy color 25.0018, 0.2960, 0.1845.

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

25.0018, 0.2960, 0.1845

Protanopia

25.4509, 0.1916, 0.1667

Deuteranopia

25.2974, 0.2219, 0.2161



Tritanopia

24.8035, 0.3867, 0.3164

Trichromacy



Original Color

25.0018, 0.2960, 0.1845



Protanomaly

23.2896, 0.2146, 0.1660



Deuteranomaly

23.7319, 0.2421, 0.1975



Tritanomaly

24.4576, 0.3514, 0.2594

Monochromacy



Original Color

25.0018, 0.2960, 0.1845



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.2198, 0.3068, 0.2605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0018, 0.2960, 0.1845 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(198, 93, 220)` looks like.

```
.text, #text, p{  
    color:rgb(198, 93, 220)  
}
```

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(198, 93, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 93, 220) }
```

Border

The CSS property to change the border of an element to Yxy 25.0018, 0.2960, 0.1845 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(198, 93, 220) }
```

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

```
.border{ border-color:rgb(198, 93, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 93, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 93, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 93, 220);  
box-shadow:4px 4px 4px 4px rgb(198, 93,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0018, 0.2960, 0.1845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 93, 220) }
```

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

```
.background{ background-color: rgb(198, 93,  
220) }
```

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