

Converting Colors

$Y_{xy}(28.3861, 0.2960, 0.2039)$

Have a look what the booklet for
Yxy(28.3861, 0.2960, 0.2039)
contains.

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Color

Yxy(28.3861, 0.2960, 0.2039)

Conversions

Conversions Part 1

Format	Color
Hex	C470DA
RGB	196, 112, 218
RGB Percent	77%, 44%, 85%
CMY	0.2314, 0.5607, 0.1452
CMYK	0.10, 0.49, 0.00, 0.15
HSL	288°, 59%, 65%
HSV	288°, 49%, 85%
XYZ	41.2079, 28.3861, 69.6218
YIQ	149.2000, 16.0380, 50.7740

Conversions

Conversions Part 2

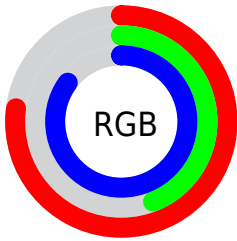
Format	Color
R_{YB}	196, 112, 218
Decimal	12873946
CIE _{Lab}	60.24, 49.83, -40.86
CIE _{LCh}	60, 64.438, 320.645
Yxy	28.3861, 0.2960, 0.2039
Android (android.graphics.Color)	4291064026 (0xFFC470DA)
YUV	149.2000, 33.9184, 41.0436
Hunter-Lab	53.2786, 44.8217, -40.1822

Details

The Yxy color **28.3861, 0.2960, 0.2039** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **56.3720, 0.3194, 0.4760**, and the grayscale version is **29.9947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5633, 0.3160, 0.2420**, and **11.4515, 0.2870, 0.1726** is the 20% darker color. If you saturate the color by 10%, you get **23.5466, 0.2910, 0.1807**, and if you desaturate by 10%, it is **34.4105, 0.3005, 0.2293**.

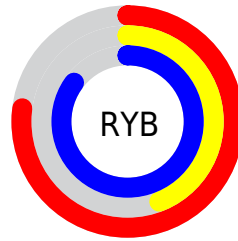
Distribution



Red (77%)

Green (44%)

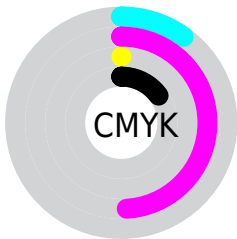
Blue (85%)



Red (77%)

Yellow (44%)

Blue (85%)

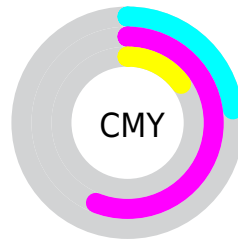


Cyan (10%)

Magenta (49%)

Yellow (0%)

Black (15%)



Cyan (23%)


Magenta (56%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3861, 0.2960, 0.2039 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 28.3861, 0.2960, 0.2039 by changing the saturation by 10% instead.


 28.3861, 0.2960,
0.2039


 28.3861, 0.2960,
0.2039


294.3073, 0.3071,
0.2641


 18.6169, 0.2925,
0.1899


 57.1003, 0.3006,
0.2251

 11.3938, 0.2875,
0.1726


 76.8141, 0.3022,
0.2332

 6.3324, 0.2802,
0.1510


 100.6115, 0.3034,
0.2402

 3.0482, 0.2690,
0.1233

 128.8770, 0.3044,
0.2463

 1.1570, 0.2504,
0.0881

161.9949, 0.3053,
0.2516

 0.0261, 0.2264,
0.0045

200.3497, 0.3060,


 0.0000, 0.0917,


0.2562

0.0000


244.3257, 0.3066,
0.2604


 0.0000, 0.0000,
0.0000

 28.3861, 0.2960,
0.2039


 28.3861, 0.2960,
0.2039

 23.5466, 0.2910,
0.1807


 34.4105, 0.3005,
0.2293


 19.8029, 0.2856,
0.1606


 41.6933, 0.3045,
0.2556

 17.0589, 0.2801,
0.1446


 50.3063, 0.3079,
0.2821


 15.1997, 0.2745,
0.1332


 60.3145, 0.3107,
0.3078


 14.0515, 0.2690,
0.1260


 71.7790, 0.3130,
0.3323

 13.9139, 0.2683,
0.1252

 84.7569, 0.3148,
0.3552

 93.0191, 0.3169,
0.3671

 93.7675, 0.3198,
0.3668

 94.5354, 0.3227,
0.3665

Harmonies

Analogous

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



28.3861, 0.2096, 0.1805



28.3861, 0.2960, 0.2039



28.3861, 0.4053, 0.2509

Triad

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



28.3861, 0.2960, 0.2039



28.3861, 0.4759, 0.4558



28.3861, 0.1580, 0.3054

Complementary

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



28.3861, 0.2960, 0.2039



56.3720, 0.3194, 0.4760

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.



28.3861, 0.2124, 0.4260



28.3861, 0.2960, 0.2039



28.3861, 0.3953, 0.5157

Square

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



28.3861, 0.2960, 0.2039



28.3861, 0.5173, 0.3829



28.3861, 0.2997, 0.5163



28.3861, 0.1420, 0.2225

Rectangle

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



28.3861, 0.2960, 0.2039



28.3861, 0.4699, 0.2914



28.3861, 0.2997, 0.5163



28.3861, 0.1717, 0.3434

Sweetspot

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



28.3873, 0.2960, 0.2039



76.5018, 0.3089, 0.2911



25.8291, 0.2264, 0.2089



15.7486, 0.3083, 0.2856



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.



28.3873, 0.2960, 0.2039



33.6508, 0.2911, 0.1809



30.1243, 0.3503, 0.2411



13.1313, 0.3105, 0.3057



8.3850, 0.2691, 0.1256



0.5782, 0.2780, 0.1305

Inverse Universe

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



28.2170, 0.4186, 0.3028



33.6256, 0.4542, 0.2990



55.5322, 0.2895, 0.4388



13.0955, 0.3259, 0.3242



9.0573, 0.6044, 0.3103



0.5994, 0.5589, 0.2853

Previews

White Background



This preview shows how the Yxy color 28.3861, 0.2960, 0.2039 looks on a white background.

Color Contrast Check

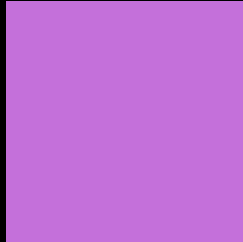
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3861, 0.2960, 0.2039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

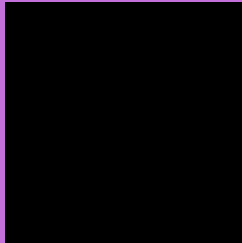
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3861, 0.2960, 0.2039

Background



This preview shows how black text looks on a background with the Yxy color 28.3861, 0.2960, 0.2039.

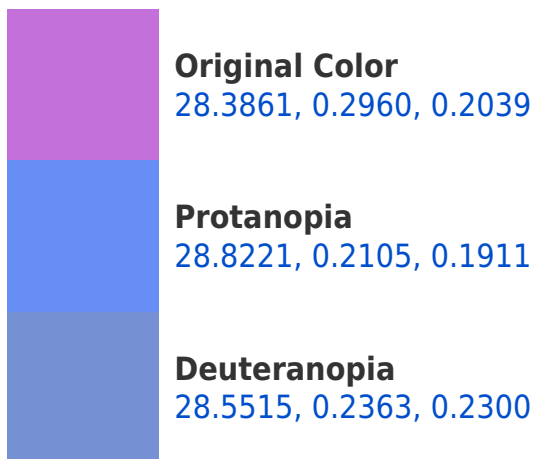


This preview shows how white text looks on a background with the Yxy color 28.3861, 0.2960, 0.2039.

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

28.1730, 0.3660, 0.3151

Trichromacy



Original Color

28.3861, 0.2960, 0.2039



Protanomaly

27.5491, 0.2336, 0.1925



Deuteranomaly

27.4686, 0.2540, 0.2164



Tritanomaly

27.8119, 0.3395, 0.2687

Monochromacy



Original Color

28.3861, 0.2960, 0.2039



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.7713, 0.3068, 0.2744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3861, 0.2960, 0.2039 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, 112, 218)` looks like.

```
.text, #text, p{  
    color:rgb(196, 112, 218)  
}
```

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, 112, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 112, 218) }
```

Border

The CSS property to change the border of an element to Yxy 28.3861, 0.2960, 0.2039 is called "border". The border property can be set on classes, ids or directly on the HTML element.

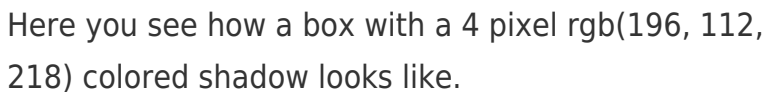
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 112, 218) }
```

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

```
.border{ border-color:rgb(196, 112, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 112, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 112, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 112, 218);  
box-shadow:4px 4px 4px 4px rgb(196, 112,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3861, 0.2960, 0.2039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 112, 218) }
```

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

```
.background{ background-color: rgb(196,  
112, 218) }
```

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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