

Converting Colors

$Y_{xy}(28.1164, 0.3049, 0.2137)$

Have a look what the booklet for
Yxy(28.1164, 0.3049, 0.2137)
contains.

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Color

Yxy(28.1495, 0.3045, 0.2133)

Conversions

Conversions Part 1

Format	Color
Hex	C471D1
RGB	196, 113, 209
RGB Percent	77%, 44%, 82%
CMY	0.2312, 0.5569, 0.1804
CMYK	0.06, 0.46, 0.00, 0.18
HSL	292°, 51%, 63%
HSV	292°, 46%, 82%
XYZ	40.1853, 28.1495, 63.6366
YIQ	148.7610, 18.6520, 47.4520

Conversions

Conversions Part 2

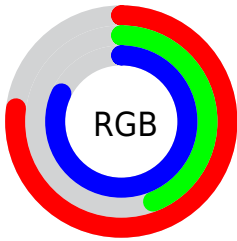
Format	Color
RYB	196, 113, 209
Decimal	12874193
CIELab	60.02, 47.58, -36.14
CIElCh	60, 59.753, 322.783
Yxy	28.1495, 0.3045, 0.2133
Android (android.graphics.Color)	4291064273 (0xFFC471D1)
YUV	148.7610, 29.6978, 41.4286
Hunter-Lab	53.0561, 42.3497, -33.9744

Details

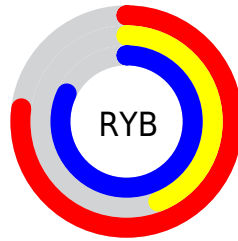
The Yxy color **28.1495, 0.3045, 0.2133** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **51.2245, 0.3145, 0.4687**, and the grayscale version is **29.8166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9283, 0.3159, 0.2429**, and **11.2460, 0.2986, 0.1833** is the 20% darker color. If you saturate the color by 10%, you get **23.6379, 0.3017, 0.1907**, and if you desaturate by 10%, it is **33.7443, 0.3070, 0.2379**.

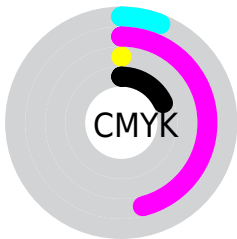
Distribution



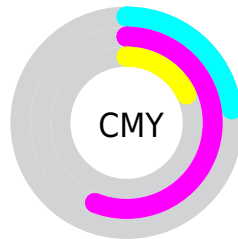
- Red (77%)
- Green (44%)
- Blue (82%)



- Red (77%)
- Yellow (44%)
- Blue (82%)



- Cyan (6%)
- Magenta (46%)
- Yellow (0%)
- Black (18%)




- Cyan (23%)
- Magenta (56%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1495, 0.3045, 0.2133 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 28.1495, 0.3045, 0.2133 by changing the saturation by 10% instead.


 28.1495, 0.3045,
0.2133


 28.1495, 0.3045,
0.2133


293.1806, 0.3109,
0.2697


 18.4384, 0.3022,
0.1999


 56.7230, 0.3074,
0.2333

 11.2652, 0.2988,
0.1833


 76.3542, 0.3083,
0.2410

 6.2455, 0.2937,
0.1621


 100.0610, 0.3090,
0.2475

 2.9949, 0.2853,
0.1346

128.2275, 0.3095,
0.2531

 1.1291, 0.2704,
0.0985

161.2384, 0.3100,
0.2581

 0.0026, 0.2547,
0.0006

199.4779, 0.3103,


 0.0000, 0.0754,


0.2624


0.0000

243.3305, 0.3106,
0.2662


 0.0000, 0.0000,
0.0000


 28.1495, 0.3045,
0.2133


 28.1495, 0.3045,
0.2133


 23.6379, 0.3017,
0.1907


 33.7443, 0.3070,
0.2379


 20.1311, 0.2985,
0.1712

 40.4862, 0.3090,
0.2636


 17.5459, 0.2952,
0.1556

 48.4387, 0.3107,
0.2894

 15.7841, 0.2917,
0.1443

 57.6594, 0.3121,
0.3146

 14.7237, 0.2882,
0.1374

 68.2021, 0.3131,
0.3386

■ 14.4007, 0.2868,
0.1353

■ 80.1176, 0.3138,
0.3611

■ 90.6903, 0.3146,
0.3778

■ 91.1233, 0.3164,
0.3775

■ 91.5637, 0.3182,
0.3773

Harmonies

Analogous

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



28.1495, 0.2207, 0.1892



28.1495, 0.3045, 0.2133



28.1495, 0.4063, 0.2596

Triad

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



28.1495, 0.3045, 0.2133



28.1495, 0.4632, 0.4553



28.1495, 0.1648, 0.3012

Complementary

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



28.1495, 0.3045, 0.2133



51.2245, 0.3145, 0.4687

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.



28.1495, 0.2145, 0.4107



28.1495, 0.3045, 0.2133



28.1495, 0.3863, 0.5063

Square

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



28.1495, 0.3045, 0.2133



28.1495, 0.5038, 0.3872



28.1495, 0.2957, 0.4982



28.1495, 0.1512, 0.2259

Rectangle

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



28.1495, 0.3045, 0.2133



28.1495, 0.4644, 0.2990



28.1495, 0.2957, 0.4982



28.1495, 0.1772, 0.3355

Sweetspot

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



28.1507, 0.3045, 0.2133



78.3969, 0.3110, 0.2939



23.3918, 0.2301, 0.2073



16.1453, 0.3107, 0.2884



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.



28.1507, 0.3045, 0.2133



37.2683, 0.3018, 0.1914



28.4727, 0.3550, 0.2529



11.9248, 0.3117, 0.3059



8.9106, 0.2873, 0.1356



0.5211, 0.2938, 0.1392

Inverse Universe

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



26.8670, 0.4189, 0.3130



35.1770, 0.4556, 0.3105



51.2043, 0.2867, 0.4213



11.8339, 0.3270, 0.3259



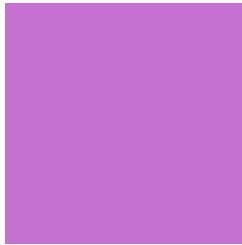
8.4186, 0.6212, 0.3196



0.4794, 0.5791, 0.2964

Previews

White Background



This preview shows how the Yxy color 28.1495, 0.3045, 0.2133 looks on a white background.

Color Contrast Check

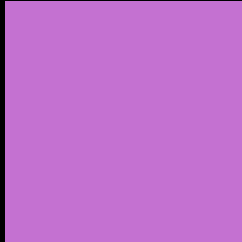
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1495, 0.3045, 0.2133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

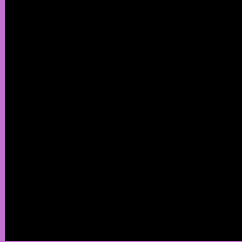
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1495, 0.3045, 0.2133

Background



This preview shows how black text looks on a background with the Yxy color 28.1495, 0.3045, 0.2133.



This preview shows how white text looks on a background with the Yxy color 28.1495, 0.3045, 0.2133.

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

28.1495, 0.3045, 0.2133

Protanopia

28.5377, 0.2185, 0.2023

Deuteranopia

28.3167, 0.2467, 0.2404



Tritanopia

28.1294, 0.3698, 0.3152

Trichromacy



Original Color

28.1495, 0.3045, 0.2133



Protanomaly

27.3316, 0.2425, 0.2027



Deuteranomaly

27.4896, 0.2650, 0.2274



Tritanomaly

27.7934, 0.3452, 0.2740

Monochromacy



Original Color

28.1495, 0.3045, 0.2133



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.6556, 0.3098, 0.2784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1495, 0.3045, 0.2133 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, 113, 209)` looks like.

```
.text, #text, p{  
    color:rgb(196, 113, 209)  
}
```

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, 113, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 113, 209) }
```

Border

The CSS property to change the border of an element to Yxy 28.1495, 0.3045, 0.2133 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, 113, 209) }
```

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

```
.border{ border-color:rgb(196, 113, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 113, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 113, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 113, 209);  
box-shadow:4px 4px 4px 4px rgb(196, 113,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1495, 0.3045, 0.2133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 113, 209) }
```

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

```
.background{ background-color: rgb(196,  
113, 209) }
```

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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