

Converting Colors

$Y_{xy}(28.9771, 0.2973, 0.2081)$

Have a look what the booklet for
Yxy(28.9771, 0.2973, 0.2081)
contains.

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Color

Yxy(29.0070, 0.2969, 0.2080)

Conversions

Conversions Part 1

Format	Color
Hex	C473D9
RGB	196, 115, 217
RGB Percent	77%, 45%, 85%
CMY	0.2316, 0.5488, 0.1491
CMYK	0.10, 0.47, 0.00, 0.15
HSL	288°, 57%, 65%
HSV	288°, 47%, 85%
XYZ	41.4047, 29.0070, 69.0450
YIQ	150.8470, 15.5340, 48.8940

Conversions

Conversions Part 2

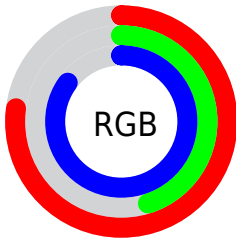
Format	Color
RYB	196, 115, 217
Decimal	12874713
CIELab	60.79, 48.05, -39.43
CIElCh	61, 62.158, 320.625
Yxy	29.0070, 0.2969, 0.2080
Android (android.graphics.Color)	4291064793 (0xFFC473D9)
YUV	150.8470, 32.6134, 39.5992
Hunter-Lab	53.8581, 42.9743, -38.3078

Details

The Yxy color **29.0070, 0.2969, 0.2080** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **56.0936, 0.3193, 0.4705**, and the grayscale version is **30.7344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6668, 0.3159, 0.2448**, and **11.7391, 0.2883, 0.1771** is the 20% darker color. If you saturate the color by 10%, you get **24.0347, 0.2920, 0.1844**, and if you desaturate by 10%, it is **35.1643, 0.3013, 0.2336**.

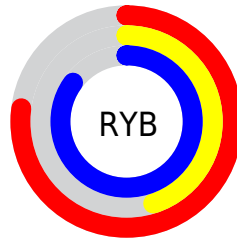
Distribution



Red (77%)

Green (45%)

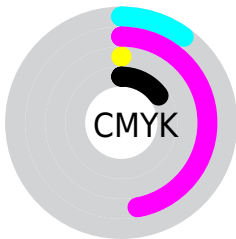
Blue (85%)



Red (77%)

Yellow (45%)

Blue (85%)

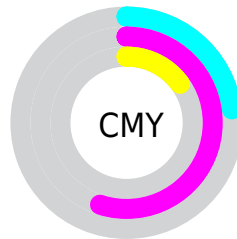


Cyan (10%)

Magenta (47%)

Yellow (0%)

Black (15%)



Cyan (23%)


Magenta (55%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0070, 0.2969, 0.2080 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 29.0070, 0.2969, 0.2080 by changing the saturation by 10% instead.


 29.0070, 0.2969,
0.2080


 29.0070, 0.2969,
0.2080


297.2480, 0.3073,
0.2663


 19.0861, 0.2936,
0.1944


 58.0882, 0.3012,
0.2285

 11.7325, 0.2889,
0.1775


 78.0173, 0.3027,
0.2365

 6.5618, 0.2821,
0.1563


 102.0513, 0.3039,
0.2432

 3.1896, 0.2714,
0.1291

130.5745, 0.3049,
0.2491

 1.2315, 0.2538,
0.0940

163.9714, 0.3056,
0.2542

 0.0872, 0.2302,
0.0151

202.6264, 0.3063,

 0.0000, 0.1006,

0.2587

0.0000

246.9238, 0.3069,
0.2627

0.0000, 0.0000,
0.0000

29.0070, 0.2969,
0.2080

29.0070, 0.2969,
0.2080

24.0347, 0.2920,
0.1844

35.1643, 0.3013,
0.2336

20.1606, 0.2867,
0.1637

42.5779, 0.3051,
0.2600

17.2919, 0.2812,
0.1471


51.3178, 0.3084,
0.2864


15.3187, 0.2757,
0.1349

61.4477, 0.3111,
0.3119

14.0971, 0.2702,
0.1272


73.0273, 0.3133,
0.3362

 13.8004, 0.2686,
0.1253

 86.1125, 0.3151,
0.3588

 92.9061, 0.3173,
0.3682

 93.6451, 0.3201,
0.3679

 94.4033, 0.3230,
0.3676

Harmonies

Analogous

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



29.0070, 0.2133, 0.1852



29.0070, 0.2969, 0.2080



29.0070, 0.4016, 0.2537

Triad

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



29.0070, 0.2969, 0.2080



29.0070, 0.4710, 0.4527



29.0070, 0.1635, 0.3072

Complementary

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



29.0070, 0.2969, 0.2080



56.0936, 0.3193, 0.4705

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.



29.0070, 0.2167, 0.4217



29.0070, 0.2969, 0.2080



29.0070, 0.3937, 0.5087

Square

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



29.0070, 0.2969, 0.2080



29.0070, 0.5097, 0.3826



29.0070, 0.3013, 0.5074



29.0070, 0.1474, 0.2270

Rectangle

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



29.0070, 0.2969, 0.2080



29.0070, 0.4633, 0.2933



29.0070, 0.3013, 0.5074



29.0070, 0.1770, 0.3434

Sweetspot

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



29.0082, 0.2969, 0.2080



77.9288, 0.3092, 0.2937



26.5857, 0.2296, 0.2137



16.0303, 0.3086, 0.2881



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.



29.0082, 0.2969, 0.2080



34.9443, 0.2922, 0.1854



30.6555, 0.3486, 0.2438



13.1321, 0.3105, 0.3057



8.4025, 0.2694, 0.1258



0.5792, 0.2782, 0.1306

Inverse Universe

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



28.8006, 0.4134, 0.3038



34.8358, 0.4468, 0.2998



55.2726, 0.2900, 0.4343



13.0953, 0.3259, 0.3242



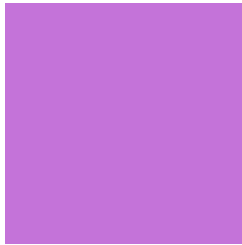
9.0560, 0.6048, 0.3105



0.5993, 0.5593, 0.2855

Previews

White Background



This preview shows how the Yxy color 29.0070, 0.2969, 0.2080 looks on a white background.

Color Contrast Check

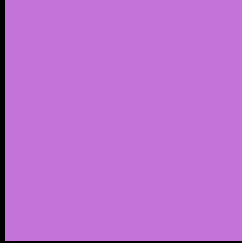
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0070, 0.2969, 0.2080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

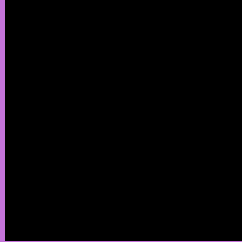
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0070, 0.2969, 0.2080

Background



This preview shows how black text looks on a background with the Yxy color 29.0070, 0.2969, 0.2080.



This preview shows how white text looks on a background with the Yxy color 29.0070, 0.2969, 0.2080.

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

29.0070, 0.2969, 0.2080

Protanopia

29.4831, 0.2144, 0.1971

Deuteranopia

29.3985, 0.2402, 0.2349



Tritanopia

28.8000, 0.3618, 0.3137

Trichromacy



Original Color

29.0070, 0.2969, 0.2080



Protanomaly

28.1472, 0.2366, 0.1973



Deuteranomaly

28.5216, 0.2577, 0.2223



Tritanomaly

28.6428, 0.3367, 0.2702

Monochromacy



Original Color

29.0070, 0.2969, 0.2080



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.4876, 0.3068, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0070, 0.2969, 0.2080 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, 115, 217)` looks like.

```
.text, #text, p{  
    color:rgb(196, 115, 217)  
}
```

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, 115, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 115, 217) }
```

Border

The CSS property to change the border of an element to Yxy 29.0070, 0.2969, 0.2080 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, 115, 217) }
```

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

```
.border{ border-color:rgb(196, 115, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 115, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 115, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 115, 217);  
box-shadow:4px 4px 4px 4px rgb(196, 115,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0070, 0.2969, 0.2080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 115, 217) }
```

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

```
.background{ background-color: rgb(196,  
115, 217) }
```

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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