

Converting Colors

$Y_{xy}(29.7857, 0.3111, 0.2241)$

Have a look what the booklet for
Yxy(29.7857, 0.3111, 0.2241)
contains.

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Color

Yxy(29.7920, 0.3103, 0.2239)

Conversions

Conversions Part 1

Format	Color
Hex	C777CE
RGB	199, 119, 206
RGB Percent	78%, 47%, 81%
CMY	0.2197, 0.5333, 0.1921
CMYK	0.03, 0.42, 0.00, 0.19
HSL	295°, 47%, 64%
HSV	295°, 42%, 81%
XYZ	41.2883, 29.7920, 61.9791
YIQ	152.8380, 19.7530, 44.0170

Conversions

Conversions Part 2

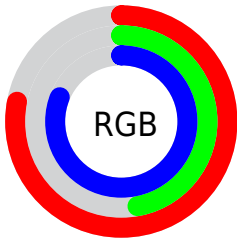
Format	Color
R_{YB}	199, 119, 206
Decimal	13072334
CIE _{Lab}	61.47, 44.73, -32.18
CIE _{LCh}	61, 55.103, 324.274
Yxy	29.7920, 0.3103, 0.2239
Android (android.graphics.Color)	4291262414 (0xFFC777CE)
YUV	152.8380, 26.2089, 40.4841
Hunter-Lab	54.5820, 39.5069, -29.1176

Details

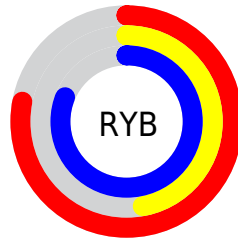
The Yxy color **29.7920, 0.3103, 0.2239** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **49.9240, 0.3114, 0.4570**, and the grayscale version is **31.6599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **12.0883, 0.3070, 0.1962** is the 20% darker color. If you saturate the color by 10%, you get **25.1823, 0.3091, 0.2013**, and if you desaturate by 10%, it is **35.4696, 0.3112, 0.2483**.

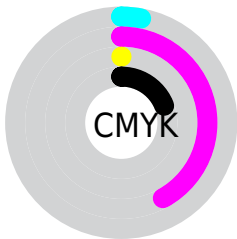
Distribution



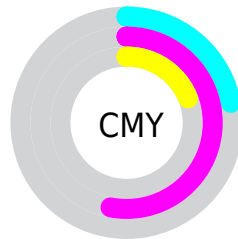
- Red (78%)
- Green (47%)
- Blue (81%)



- Red (78%)
- Yellow (47%)
- Blue (81%)



- Cyan (3%)
- Magenta (42%)
- Yellow (0%)
- Black (19%)





- Cyan (22%)
- Magenta (53%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7920, 0.3103, 0.2239 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 29.7920, 0.3103, 0.2239 by changing the saturation by 10% instead.


 29.7920, 0.3103,
0.2239


 29.7920, 0.3103,
0.2239


300.9337, 0.3133,
0.2752


 19.6808, 0.3090,
0.2116


 59.3331, 0.3118,
0.2422

 12.1632, 0.3070,
0.1963


 79.5317, 0.3123,
0.2492

 6.8549, 0.3037,
0.1766


 103.8616, 0.3126,
0.2551

 3.3715, 0.2981,
0.1506

132.7072, 0.3128,
0.2602

 1.3286, 0.2876,
0.1157

166.4527, 0.3130,
0.2647

 0.1632, 0.2758,
0.0342

205.4828, 0.3131,


 0.0000, 0.1353,


0.2687


0.0000


250.1816, 0.3132,
0.2721

 0.0000, 0.0000,
0.0000

 29.7920, 0.3103,
0.2239


 29.7920, 0.3103,
0.2239


 25.1823, 0.3091,
0.2013


 35.4696, 0.3112,
0.2483


 21.5673, 0.3076,
0.1816


 42.2744, 0.3119,
0.2736


 18.8706, 0.3059,
0.1656


 50.2659, 0.3124,
0.2990

 17.0033, 0.3041,
0.1538

 59.4983, 0.3127,
0.3236


 15.8584, 0.3021,
0.1464


 70.0225, 0.3128,
0.3471

 15.3210, 0.3005,
0.1429

 81.8865, 0.3127,
0.3692

 89.7742, 0.3131,
0.3815

 90.0211, 0.3141,
0.3814

 90.2706, 0.3152,
0.3812

Harmonies

Analogous

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



29.7920, 0.2317, 0.2002



29.7920, 0.3103, 0.2239



29.7920, 0.4022, 0.2682

Triad

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



29.7920, 0.3103, 0.2239



29.7920, 0.4494, 0.4502



29.7920, 0.1753, 0.3008

Complementary

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



29.7920, 0.3103, 0.2239



49.9240, 0.3114, 0.4570

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.



29.7920, 0.2207, 0.3976



29.7920, 0.3103, 0.2239



29.7920, 0.3784, 0.4916

Square

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



29.7920, 0.3103, 0.2239



29.7920, 0.4868, 0.3887



29.7920, 0.2949, 0.4776



29.7920, 0.1634, 0.2330

Rectangle

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



29.7920, 0.3103, 0.2239



29.7920, 0.4532, 0.3056



29.7920, 0.2949, 0.4776



29.7920, 0.1866, 0.3312

Sweetspot

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



29.7933, 0.3103, 0.2239



80.1378, 0.3124, 0.2966



23.3692, 0.2361, 0.2103



16.5058, 0.3123, 0.2910



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.



29.7933, 0.3103, 0.2239



41.1933, 0.3092, 0.2026



29.2148, 0.3572, 0.2656



11.3558, 0.3125, 0.3061



9.4522, 0.3008, 0.1431



0.5016, 0.3050, 0.1454

Inverse Universe

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



27.8290, 0.4123, 0.3203



37.6772, 0.4481, 0.3187



50.4505, 0.2849, 0.4034



11.2282, 0.3278, 0.3272



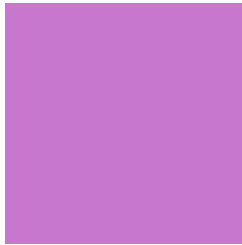
8.1101, 0.6302, 0.3245



0.4236, 0.5998, 0.3078

Previews

White Background



This preview shows how the Yxy color 29.7920, 0.3103, 0.2239 looks on a white background.

Color Contrast Check

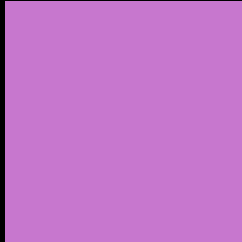
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7920, 0.3103, 0.2239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

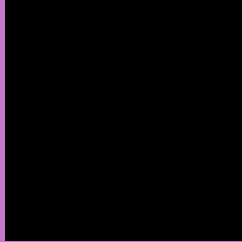
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7920, 0.3103, 0.2239

Background



This preview shows how black text looks on a background with the Yxy color 29.7920, 0.3103, 0.2239.



This preview shows how white text looks on a background with the Yxy color 29.7920, 0.3103, 0.2239.

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

29.7920, 0.3103, 0.2239

Protanopia

30.1523, 0.2292, 0.2158

Deuteranopia

30.1528, 0.2558, 0.2504



Tritanopia

29.8346, 0.3683, 0.3155

Trichromacy



Original Color

29.7920, 0.3103, 0.2239



Protanomaly

29.1652, 0.2530, 0.2163



Deuteranomaly

29.4722, 0.2734, 0.2382



Tritanomaly

29.6609, 0.3464, 0.2788

Monochromacy



Original Color

29.7920, 0.3103, 0.2239



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

30.5744, 0.3127, 0.2850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7920, 0.3103, 0.2239 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(199, 119, 206)` looks like.

```
.text, #text, p{  
    color:rgb(199, 119, 206)  
}
```

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(199, 119, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 119, 206) }
```

Border

The CSS property to change the border of an element to Yxy 29.7920, 0.3103, 0.2239 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(199, 119, 206) }
```

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

```
.border{ border-color:rgb(199, 119, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 119, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 119, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 119, 206);  
box-shadow:4px 4px 4px 4px rgb(199, 119,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7920, 0.3103, 0.2239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 119, 206) }
```

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

```
.background{ background-color: rgb(199,  
119, 206) }
```

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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