

Converting Colors

$Y_{xy}(22.2901, 0.3226, 0.1929)$

Have a look what the booklet for
Yxy(22.2901, 0.3226, 0.1929)
contains.

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Color

Yxy(22.2320, 0.3226, 0.1931)

Conversions

Conversions Part 1

Format	Color
Hex	C950C6
RGB	201, 80, 198
RGB Percent	79%, 31%, 78%
CMY	0.2119, 0.6861, 0.2235
CMYK	0.00, 0.60, 0.01, 0.21
HSL	301°, 53%, 55%
HSV	301°, 60%, 79%
XYZ	37.1416, 22.2320, 55.7585
YIQ	129.6310, 34.2380, 62.3500

Conversions

Conversions Part 2

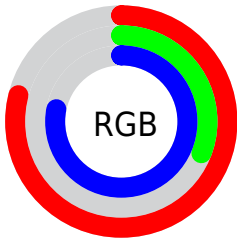
Format	Color
R _Y B	201, 80, 198
Decimal	13193414
CIE Lab	54.27, 62.65, -38.85
CIE LCh	54, 73.718, 328.196
Yxy	22.2320, 0.3226, 0.1931
Android (android.graphics.Color)	4291383494 (0xFFC950C6)
YUV	129.6310, 33.7059, 62.5906
Hunter-Lab	47.1508, 58.0939, -37.1081

Details

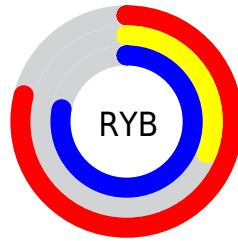
The Yxy color **22.2320, 0.3226, 0.1931** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **44.0887, 0.3023, 0.5176**, and the grayscale version is **22.0607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0883, 0.3181, 0.2153**, and **8.1823, 0.3208, 0.1576** is the 20% darker color. If you saturate the color by 10%, you get **19.6929, 0.3240, 0.1781**, and if you desaturate by 10%, it is **25.6532, 0.3210, 0.2117**.

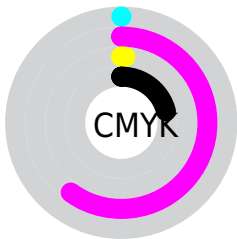
Distribution



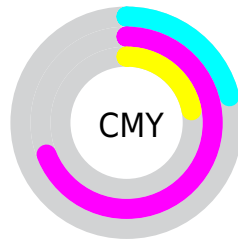
- Red (79%)
- Green (31%)
- Blue (78%)



- Red (79%)
- Yellow (31%)
- Blue (78%)



- Cyan (0%)
- Magenta (60%)
- Yellow (1%)
- Black (21%)





- Cyan (21%)
- Magenta (69%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2320, 0.3226, 0.1931 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 22.2320, 0.3226, 0.1931 by changing the saturation by 10% instead.


 22.2320, 0.3226,
0.1931


 22.2320, 0.3226,
0.1931


263.7554, 0.3204,
0.2598


 14.0275, 0.3222,
0.1773


 47.1291, 0.3225,
0.2168


 8.1398, 0.3210,
0.1576


 64.5905, 0.3223,
0.2259


 4.1845, 0.3183,
0.1329


 85.9064, 0.3220,
0.2336

 1.7773, 0.3125,
0.1014

 111.4610, 0.3216,
0.2403

 0.4730, 0.3017,
0.0556

 141.6388, 0.3213,
0.2461

 0.0000, 0.2740,
0.0000

176.8242, 0.3210,

 0.0000, 0.0000,

0.2513

0.0000

217.4016, 0.3207,
0.2558

■ 22.2320, 0.3226,
0.1931

■ 22.2320, 0.3226,
0.1931

■ 19.6929, 0.3240,
0.1781

■ 25.6532, 0.3210,
0.2117

■ 17.9517, 0.3253,
0.1673

■ 30.0246, 0.3193,
0.2331

■ 16.9134, 0.3263,
0.1607

■ 35.4111, 0.3176,
0.2564

■ 16.3997, 0.3272,
0.1576

■ 41.8711, 0.3159,
0.2806

■ 49.4585, 0.3143,
0.3049

■ 58.2236, 0.3127,
0.3286

■ 68.2138, 0.3113,
0.3513

■ 79.4737, 0.3100,
0.3726

■ 88.2175, 0.3091,
0.3865

Harmonies

Analogous

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



22.2320, 0.2103, 0.1596



22.2320, 0.3226, 0.1931



22.2320, 0.4590, 0.2513

Triad

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



22.2320, 0.3226, 0.1931



22.2320, 0.4772, 0.4907



22.2320, 0.1217, 0.2642

Complementary

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



22.2320, 0.3226, 0.1931



44.0887, 0.3023, 0.5176

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.



22.2320, 0.1689, 0.4099



22.2320, 0.3226, 0.1931



22.2320, 0.3728, 0.5658

Square

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



22.2320, 0.3226, 0.1931



22.2320, 0.5487, 0.4020



22.2320, 0.2612, 0.5508



22.2320, 0.1159, 0.1841

Rectangle

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



22.2320, 0.3226, 0.1931



22.2320, 0.5291, 0.2983



22.2320, 0.2612, 0.5508



22.2320, 0.1322, 0.3061

Sweetspot

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



22.2330, 0.3226, 0.1931



74.0577, 0.3156, 0.2852



11.7550, 0.1981, 0.1379



15.0871, 0.3161, 0.2781



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.



22.2330, 0.3226, 0.1931



32.7508, 0.3244, 0.1746



20.0050, 0.4047, 0.2565



10.8120, 0.3141, 0.3068



10.3177, 0.3271, 0.1575



0.4900, 0.3257, 0.1568

Inverse Universe

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



22.2330, 0.3226, 0.1931



32.7508, 0.3244, 0.1746



45.4327, 0.2706, 0.4223



10.8120, 0.3141, 0.3068



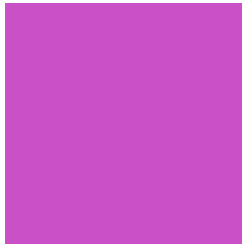
10.3177, 0.3271, 0.1575



0.4900, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 22.2320, 0.3226, 0.1931 looks on a white background.

Color Contrast Check

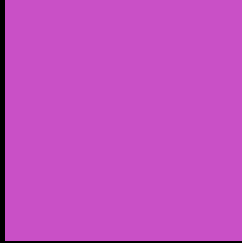
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2320, 0.3226, 0.1931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

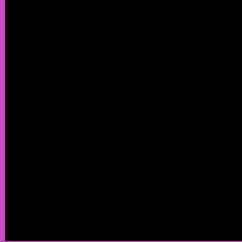
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2320, 0.3226, 0.1931

Background



This preview shows how black text looks on a background with the Yxy color 22.2320, 0.3226, 0.1931.

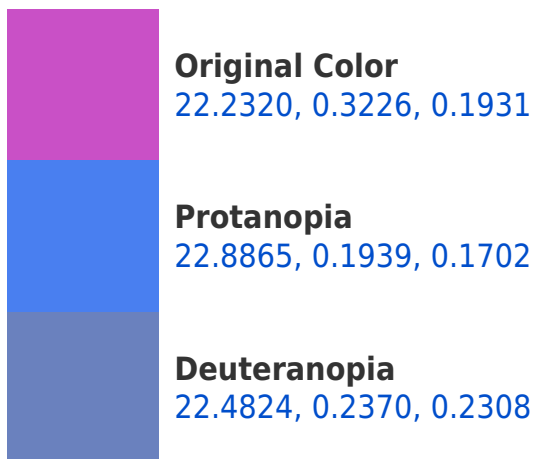


This preview shows how white text looks on a background with the Yxy color 22.2320, 0.3226, 0.1931.

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

22.1468, 0.4221, 0.3184

Trichromacy



Original Color

22.2320, 0.3226, 0.1931



Protanomaly

20.5812, 0.2219, 0.1697



Deuteranomaly

20.8819, 0.2622, 0.2082



Tritanomaly

21.7697, 0.3855, 0.2660

Monochromacy



Original Color

22.2320, 0.3226, 0.1931



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

21.0228, 0.3171, 0.2622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2320, 0.3226, 0.1931 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(201, 80, 198)` looks like.

```
.text, #text, p{  
    color:rgb(201, 80, 198)  
}
```

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(201, 80, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 80, 198) }
```

Border

The CSS property to change the border of an element to Yxy 22.2320, 0.3226, 0.1931 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(201, 80, 198) }
```

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

```
.border{ border-color:rgb(201, 80, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 80, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 80, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 80, 198);  
box-shadow:4px 4px 4px 4px rgb(201, 80,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2320, 0.3226, 0.1931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 80, 198) }
```

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

```
.background{ background-color: rgb(201, 80,  
198) }
```

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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