

Converting Colors

$Y_{xy}(20.8266, 0.3003, 0.1791)$

Have a look what the booklet for
Yxy(20.8266, 0.3003, 0.1791)
contains.

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Color

Yxy(20.8670, 0.3001, 0.1793)

Conversions

Conversions Part 1

Format	Color
Hex	BD4FCE
RGB	189, 79, 206
RGB Percent	74%, 31%, 81%
CMY	0.2588, 0.6902, 0.1921
CMYK	0.08, 0.62, 0.00, 0.19
HSL	292°, 56%, 56%
HSV	292°, 62%, 81%
XYZ	34.9257, 20.8670, 60.5876
YIQ	126.3680, 24.7930, 62.8170

Conversions

Conversions Part 2

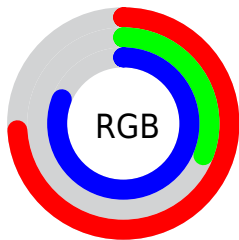
Format	Color
R _{YB}	189, 79, 206
Decimal	12406734
CIE _{Lab}	52.80, 61.56, -45.88
CIE _{LCh}	53, 76.774, 323.307
Y _{xy}	20.8670, 0.3001, 0.1793
Android (android.graphics.Color)	4290596814 (0xFFBD4FCE)
YUV	126.3680, 39.2586, 54.9283
Hunter-Lab	45.6804, 56.5345, -46.6622

Details

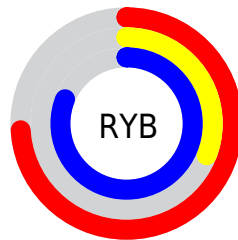
The Yxy color **20.8670, 0.3001, 0.1793** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **47.1999, 0.3127, 0.5214**, and the grayscale version is **20.8530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2267, 0.3121, 0.2114**, and **7.4277, 0.2899, 0.1413** is the 20% darker color. If you saturate the color by 10%, you get **17.9934, 0.2969, 0.1619**, and if you desaturate by 10%, it is **24.6697, 0.3031, 0.2002**.

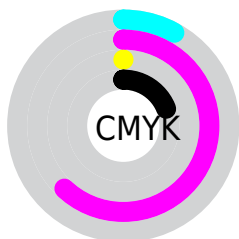
Distribution



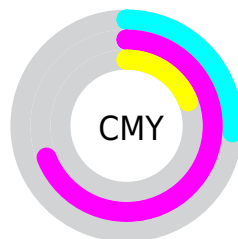
- Red (74%)
- Green (31%)
- Blue (81%)



- Red (74%)
- Yellow (31%)
- Blue (81%)



- Cyan (8%)
- Magenta (62%)
- Yellow (0%)
- Black (19%)



- Cyan (26%)
- Magenta (69%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8670, 0.3001, 0.1793 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 20.8670, 0.3001, 0.1793 by changing the saturation by 10% instead.


 20.8670, 0.3001,
0.1793


 20.8670, 0.3001,
0.1793


256.5708, 0.3105,
0.2523


 13.0268, 0.2962,
0.1623


 44.8661, 0.3049,
0.2051

 7.4470, 0.2904,
0.1414


 61.7938, 0.3064,
0.2150


 3.7432, 0.2814,
0.1156


 82.5194, 0.3075,
0.2235

 1.5310, 0.2666,
0.0838

 107.4274, 0.3084,
0.2308

 0.3104, 0.2437,
0.0343

 136.9022, 0.3091,
0.2372

 0.0000, 0.1940,
0.0000

171.3280, 0.3097,

 0.0000, 0.0000,

0.2428

0.0000

211.0895, 0.3101,
0.2478

■ 20.8670, 0.3001,
0.1793

■ 20.8670, 0.3001,
0.1793

■ 17.9934, 0.2969,
0.1619

■ 24.6697, 0.3031,
0.2002

■ 15.9578, 0.2935,
0.1488

■ 29.4758, 0.3057,
0.2238

■ 14.6557, 0.2900,
0.1401

■ 35.3552, 0.3080,
0.2490

■ 13.9737, 0.2871,
0.1355

■ 42.3708, 0.3099,
0.2747

■ 50.5805, 0.3114,
0.3003

■ 60.0385, 0.3126,
0.3250

■ 70.7954, 0.3134,
0.3484

■ 82.8991, 0.3140,
0.3702

■ 90.2473, 0.3151,
0.3812

Harmonies

Analogous

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



20.8670, 0.1905, 0.1496



20.8670, 0.3001, 0.1793



20.8670, 0.4451, 0.2357

Triad

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



20.8670, 0.3001, 0.1793



20.8670, 0.4975, 0.4788



20.8670, 0.1176, 0.2794

Complementary

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



20.8670, 0.3001, 0.1793



47.1999, 0.3127, 0.5214

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.



20.8670, 0.1732, 0.4444



20.8670, 0.3001, 0.1793



20.8670, 0.3905, 0.5682

Square

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



20.8670, 0.3001, 0.1793



20.8670, 0.5662, 0.3869



20.8670, 0.2743, 0.5800



20.8670, 0.1065, 0.1855

Rectangle

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



20.8670, 0.3001, 0.1793



20.8670, 0.5274, 0.2828



20.8670, 0.2743, 0.5800



20.8670, 0.1305, 0.3279

Sweetspot

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



20.8679, 0.3001, 0.1793



72.9833, 0.3104, 0.2836



14.8626, 0.1996, 0.1583



14.8207, 0.3099, 0.2760



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.



20.8679, 0.3001, 0.1793



27.9318, 0.2958, 0.1572



21.3074, 0.3763, 0.2308



11.3247, 0.3117, 0.3060



8.6341, 0.2876, 0.1358



0.4670, 0.2945, 0.1396

Inverse Universe

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



19.5590, 0.4807, 0.3097



25.9566, 0.5388, 0.3100



47.2523, 0.2816, 0.4604



11.2377, 0.3269, 0.3259



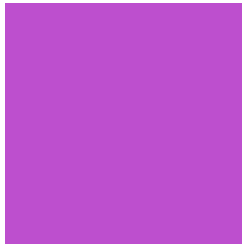
8.1386, 0.6213, 0.3196



0.4281, 0.5769, 0.2952

Previews

White Background



This preview shows how the Yxy color 20.8670, 0.3001, 0.1793 looks on a white background.

Color Contrast Check

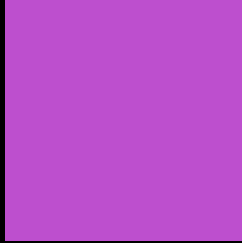
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8670, 0.3001, 0.1793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

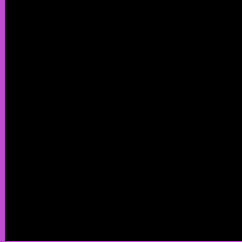
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8670, 0.3001, 0.1793

Background



This preview shows how black text looks on a background with the Yxy color 20.8670, 0.3001, 0.1793.



This preview shows how white text looks on a background with the Yxy color 20.8670, 0.3001, 0.1793.

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

20.8670, 0.3001, 0.1793

Protanopia

21.3745, 0.1825, 0.1547

Deuteranopia

21.0736, 0.2187, 0.2126



Tritanopia

20.8701, 0.4003, 0.3174

Trichromacy



Original Color

20.8670, 0.3001, 0.1793



Protanomaly

18.9580, 0.2041, 0.1534



Deuteranomaly

19.5143, 0.2406, 0.1918



Tritanomaly

20.2961, 0.3617, 0.2575

Monochromacy



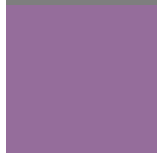
Original Color

20.8670, 0.3001, 0.1793



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.6934, 0.3087, 0.2557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8670, 0.3001, 0.1793 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(189, 79, 206)` looks like.

```
.text, #text, p{  
    color:rgb(189, 79, 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(189, 79, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 79, 206) }
```

Border

The CSS property to change the border of an element to Yxy 20.8670, 0.3001, 0.1793 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(189, 79, 206) }
```

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

```
.border{ border-color:rgb(189, 79, 206) }
```

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

Here you see how a box with a 4 pixel rgb(189, 79, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 79, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 79, 206);  
box-shadow:4px 4px 4px 4px rgb(189, 79,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8670, 0.3001, 0.1793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 79, 206) }
```

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

```
.background{ background-color: rgb(189, 79,  
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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