

Converting Colors

$Y_{xy}(19.8697, 0.3305, 0.2082)$

Have a look what the booklet for
Yxy(19.8697, 0.3305, 0.2082)
contains.

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Color

Yxy(19.7737, 0.3311, 0.2082)

Conversions

Conversions Part 1

Format	Color
Hex	BB52B1
RGB	187, 82, 177
RGB Percent	73%, 32%, 69%
CMY	0.2667, 0.6784, 0.3059
CMYK	0.00, 0.56, 0.05, 0.27
HSL	306°, 44%, 53%
HSV	306°, 56%, 73%
XYZ	31.4461, 19.7737, 43.7548
YIQ	124.2250, 32.0850, 51.8050

Conversions

Conversions Part 2

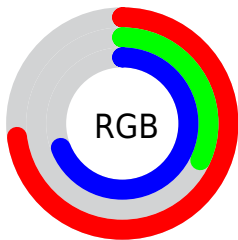
Format	Color
RYB	187, 82, 177
Decimal	12276401
CIELab	51.58, 54.52, -31.07
CIElCh	52, 62.754, 330.323
Yxy	19.7737, 0.3311, 0.2082
Android (android.graphics.Color)	4290466481 (0xFFBB52B1)
YUV	124.2250, 26.0181, 55.0537
Hunter-Lab	44.4676, 48.4111, -27.2122

Details

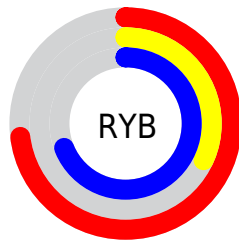
The Yxy color **19.7737, 0.3311, 0.2082** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.1066, 0.2989, 0.4914**, and the grayscale version is **20.1395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9040, 0.3285, 0.2304**, and **6.8933, 0.3335, 0.1728** is the 20% darker color. If you saturate the color by 10%, you get **17.2575, 0.3349, 0.1923**, and if you desaturate by 10%, it is **23.0610, 0.3273, 0.2271**.

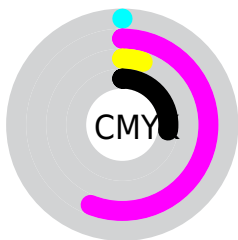
Distribution



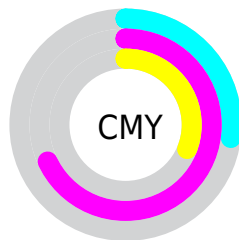
- Red (73%)
- Green (32%)
- Blue (69%)



- Red (73%)
- Yellow (32%)
- Blue (69%)



- Cyan (0%)
- Magenta (56%)
- Yellow (5%)
- Black (27%)




- Cyan (27%)
- Magenta (68%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7737, 0.3311, 0.2082 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 19.7737, 0.3311, 0.2082 by changing the saturation by 10% instead.


 19.7737, 0.3311,
0.2082


 19.7737, 0.3311,
0.2082


250.6874, 0.3234,
0.2699

 12.2307, 0.3323,
0.1927


 43.0374, 0.3288,
0.2308


 6.9010, 0.3335,
0.1730


 59.5269, 0.3277,
0.2392


 3.4002, 0.3340,
0.1471


 79.7674, 0.3268,
0.2463

 1.3441, 0.3325,
0.1127

 104.1431, 0.3260,
0.2524

 0.1750, 0.3361,
0.0350

 133.0386, 0.3252,
0.2577

 0.0000, 0.2755,
0.0000

166.8382, 0.3246,

 0.0000, 0.0000,

0.2623

0.0000

205.9263, 0.3240,
0.2663

■ 19.7737, 0.3311,
0.2082

■ 19.7737, 0.3311,
0.2082

■ 17.2575, 0.3349,
0.1923

■ 23.0610, 0.3273,
0.2271

■ 15.4457, 0.3386,
0.1803

■ 27.1735, 0.3237,
0.2482

■ 14.2647, 0.3420,
0.1726

■ 32.1637, 0.3203,
0.2706

■ 13.6187, 0.3452,
0.1690

■ 38.0789, 0.3171,
0.2932

■ 13.4363, 0.3464,
0.1682

■ 44.9630, 0.3143,
0.3156

■ 52.8571, 0.3118,
0.3372

■ 61.8000, 0.3096,
0.3576

■ 71.8284, 0.3077,
0.3767

■ 82.9771, 0.3060,
0.3943

Harmonies

Analogous

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



19.7737, 0.2266, 0.1749



19.7737, 0.3311, 0.2082



19.7737, 0.4508, 0.2642

Triad

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



19.7737, 0.3311, 0.2082



19.7737, 0.4611, 0.4869



19.7737, 0.1366, 0.2664

Complementary

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



19.7737, 0.3311, 0.2082



38.1066, 0.2989, 0.4914

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.



19.7737, 0.1795, 0.3910



19.7737, 0.3311, 0.2082



19.7737, 0.3657, 0.5436

Square

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



19.7737, 0.3311, 0.2082



19.7737, 0.5253, 0.4078



19.7737, 0.2631, 0.5155



19.7737, 0.1323, 0.1952

Rectangle

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



19.7737, 0.3311, 0.2082



19.7737, 0.5102, 0.3091



19.7737, 0.2631, 0.5155



19.7737, 0.1462, 0.3026

Sweetspot

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



19.7746, 0.3311, 0.2082



66.9187, 0.3175, 0.2907



11.8353, 0.2126, 0.1546



14.2450, 0.3181, 0.2861



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.7746, 0.3311, 0.2082



30.1852, 0.3356, 0.1897



18.1002, 0.4064, 0.2699



9.6802, 0.3152, 0.3085



9.2638, 0.3461, 0.1680



0.3675, 0.3394, 0.1643

Inverse Universe

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



19.7746, 0.3311, 0.2082



30.1852, 0.3356, 0.1897



39.3246, 0.2680, 0.4019



9.6802, 0.3152, 0.3085



9.2638, 0.3461, 0.1680



0.3675, 0.3394, 0.1643

Previews

White Background



This preview shows how the Yxy color 19.7737, 0.3311, 0.2082 looks on a white background.

Color Contrast Check

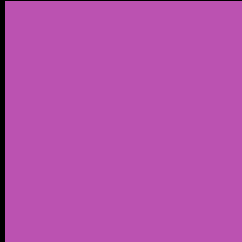
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7737, 0.3311, 0.2082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

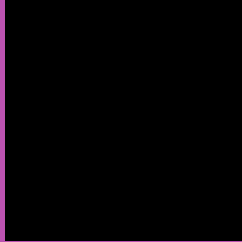
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7737, 0.3311, 0.2082

Background



This preview shows how black text looks on a background with the Yxy color 19.7737, 0.3311, 0.2082.



This preview shows how white text looks on a background with the Yxy color 19.7737, 0.3311, 0.2082.

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

19.7737, 0.3311, 0.2082

Protanopia

20.2592, 0.2092, 0.1908

Deuteranopia

20.0095, 0.2511, 0.2463



Tritanopia

19.7596, 0.4167, 0.3191

Trichromacy



Original Color

19.7737, 0.3311, 0.2082

Protanomaly

18.7302, 0.2395, 0.1911

Deuteranomaly

18.8509, 0.2755, 0.2246

Tritanomaly

19.4397, 0.3858, 0.2740

Monochromacy



Original Color

19.7737, 0.3311, 0.2082

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.1235, 0.3205, 0.2729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7737, 0.3311, 0.2082 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(187, 82, 177)` looks like.

```
.text, #text, p{  
    color:rgb(187, 82, 177)  
}
```

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(187, 82, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 82, 177) }
```

Border

The CSS property to change the border of an element to Yxy 19.7737, 0.3311, 0.2082 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(187, 82, 177) }
```

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

```
.border{ border-color:rgb(187, 82, 177) }
```

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

Here you see how a box with a 4 pixel rgb(187, 82, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 82, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 82, 177);  
box-shadow:4px 4px 4px 4px rgb(187, 82,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7737, 0.3311, 0.2082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 82, 177) }
```

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

```
.background{ background-color: rgb(187, 82,  
177) }
```

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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