

Converting Colors

$Y_{xy}(19.8869, 0.3425, 0.2134)$

Have a look what the booklet for
Yxy(19.8869, 0.3425, 0.2134)
contains.

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Color

Yxy(19.7922, 0.3428, 0.2134)

Conversions

Conversions Part 1

Format	Color
Hex	BF50AC
RGB	191, 80, 172
RGB Percent	75%, 31%, 67%
CMY	0.2511, 0.6861, 0.3256
CMYK	0.00, 0.58, 0.10, 0.25
HSL	310°, 46%, 53%
HSV	310°, 58%, 75%
XYZ	31.7937, 19.7922, 41.1611
YIQ	123.6770, 36.6240, 52.1440

Conversions

Conversions Part 2

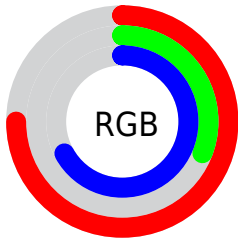
Format	Color
R_{YB}	191, 80, 172
Decimal	12538028
CIE _{Lab}	51.60, 55.70, -28.06
CIE _{LCh}	52, 62.368, 333.264
Yxy	19.7922, 0.3428, 0.2134
Android (android.graphics.Color)	4290728108 (0xFFBF50AC)
YUV	123.6770, 23.8232, 59.0423
Hunter-Lab	44.4884, 49.7103, -23.7138

Details

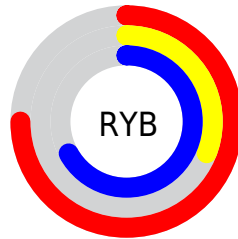
The Yxy color **19.7922, 0.3428, 0.2134** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.8584, 0.2940, 0.4844**, and the grayscale version is **19.9567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2534, 0.3378, 0.2353**, and **6.9486, 0.3513, 0.1801** is the 20% darker color. If you saturate the color by 10%, you get **17.2573, 0.3494, 0.1991**, and if you desaturate by 10%, it is **23.1267, 0.3364, 0.2308**.

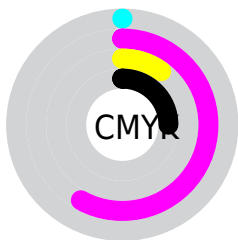
Distribution



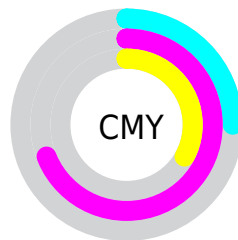
- Red (75%)
- Green (31%)
- Blue (67%)



- Red (75%)
- Yellow (31%)
- Blue (67%)



- Cyan (0%)
- Magenta (58%)
- Yellow (10%)
- Black (25%)



- Cyan (25%)
- Magenta (69%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7922, 0.3428, 0.2134 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 19.7922, 0.3428, 0.2134 by changing the saturation by 10% instead.


 19.7922, 0.3428,
0.2134


 19.7922, 0.3428,
0.2134


250.7879, 0.3284,
0.2728


 12.2441, 0.3460,
0.1984


 43.0685, 0.3378,
0.2352


 6.9101, 0.3498,
0.1791


 59.5655, 0.3359,
0.2433


 3.4060, 0.3543,
0.1536


 79.8142, 0.3342,
0.2502

 1.3472, 0.3589,
0.1193

 104.1991, 0.3327,
0.2560

 0.1773, 0.3748,
0.0384

 133.1045, 0.3314,
0.2611

 0.0000, 0.3340,
0.0000

166.9149, 0.3303,

 0.0000, 0.0000,

0.2655

0.0000

206.0146, 0.3293,
0.2693

■ 19.7922, 0.3428,
0.2134

■ 19.7922, 0.3428,
0.2134

■ 17.2573, 0.3494,
0.1991

■ 23.1267, 0.3364,
0.2308

■ 15.4500, 0.3560,
0.1888

■ 27.3194, 0.3305,
0.2503

■ 14.2900, 0.3624,
0.1829

■ 32.4263, 0.3250,
0.2710

■ 13.6515, 0.3685,
0.1812

■ 38.4982, 0.3201,
0.2920

■ 13.5507, 0.3697,
0.1810

■ 45.5818, 0.3158,
0.3128

■ 53.7212, 0.3120,
0.3327

■ 62.9574, 0.3088,
0.3516

■ 73.3297, 0.3061,
0.3693

■ 84.8750, 0.3037,
0.3856

Harmonies

Analogous

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



19.7922, 0.2356, 0.1777



19.7922, 0.3428, 0.2134



19.7922, 0.4603, 0.2709

Triad

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



19.7922, 0.3428, 0.2134



19.7922, 0.4522, 0.4935



19.7922, 0.1355, 0.2576

Complementary

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



19.7922, 0.3428, 0.2134



39.8584, 0.2940, 0.4844

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.



19.7922, 0.1741, 0.3769



19.7922, 0.3428, 0.2134



19.7922, 0.3557, 0.5443

Square

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



19.7922, 0.3428, 0.2134



19.7922, 0.5202, 0.4154



19.7922, 0.2541, 0.5052



19.7922, 0.1345, 0.1917

Rectangle

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



19.7922, 0.3428, 0.2134



19.7922, 0.5149, 0.3162



19.7922, 0.2541, 0.5052



19.7922, 0.1437, 0.2917

Sweetspot

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



19.7931, 0.3428, 0.2134



69.9445, 0.3197, 0.2937



12.1291, 0.2165, 0.1512



14.8353, 0.3207, 0.2895



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



19.7931, 0.3428, 0.2134



29.8090, 0.3514, 0.1956



18.1003, 0.4271, 0.2805



9.6675, 0.3163, 0.3102



8.9186, 0.3689, 0.1806



0.3569, 0.3556, 0.1733

Inverse Universe

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



19.7931, 0.3428, 0.2134



29.8090, 0.3514, 0.1956



41.2898, 0.2616, 0.3890



9.6675, 0.3163, 0.3102



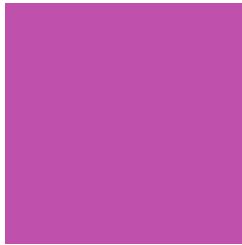
8.9186, 0.3689, 0.1806



0.3569, 0.3556, 0.1733

Previews

White Background



This preview shows how the Yxy color 19.7922, 0.3428, 0.2134 looks on a white background.

Color Contrast Check

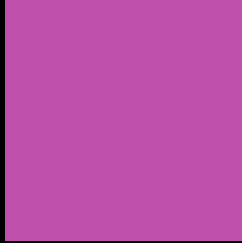
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7922, 0.3428, 0.2134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

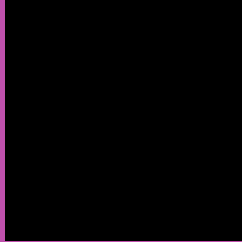
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7922, 0.3428, 0.2134

Background



This preview shows how black text looks on a background with the Yxy color 19.7922, 0.3428, 0.2134.



This preview shows how white text looks on a background with the Yxy color 19.7922, 0.3428, 0.2134.

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

19.7922, 0.3428, 0.2134

Protanopia

20.2548, 0.2135, 0.1957

Deuteranopia

20.0804, 0.2589, 0.2545



Tritanopia

19.7392, 0.4295, 0.3195

Trichromacy



Original Color

19.7922, 0.3428, 0.2134

Protanomaly

18.6387, 0.2459, 0.1951

Deuteranomaly

19.0053, 0.2850, 0.2323

Tritanomaly

19.6319, 0.3977, 0.2769

Monochromacy



Original Color

19.7922, 0.3428, 0.2134

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

18.9441, 0.3244, 0.2745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7922, 0.3428, 0.2134 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(191, 80, 172)` looks like.

```
.text, #text, p{  
    color:rgb(191, 80, 172)  
}
```

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(191, 80, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 80, 172) }
```

Border

The CSS property to change the border of an element to Yxy 19.7922, 0.3428, 0.2134 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(191, 80, 172) }
```

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

```
.border{ border-color:rgb(191, 80, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 80, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 80, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 80, 172);  
box-shadow:4px 4px 4px 4px rgb(191, 80,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7922, 0.3428, 0.2134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 80, 172) }
```

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

```
.background{ background-color: rgb(191, 80,  
172) }
```

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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