

Converting Colors

$Y_{xy}(19.7826, 0.3473, 0.2128)$

Have a look what the booklet for
Yxy(19.7826, 0.3473, 0.2128)
contains.

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Color

Yxy(19.8584, 0.3482, 0.2139)

Conversions

Conversions Part 1

Format	Color
Hex	C24EAB
RGB	194, 78, 171
RGB Percent	76%, 31%, 67%
CMY	0.2391, 0.6942, 0.3294
CMYK	0.00, 0.60, 0.12, 0.24
HSL	312°, 49%, 53%
HSV	312°, 60%, 76%
XYZ	32.3268, 19.8584, 40.6545
YIQ	123.2860, 39.2830, 53.5150

Conversions

Conversions Part 2

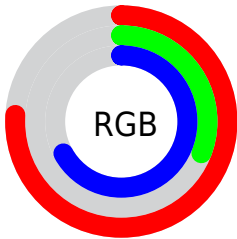
Format	Color
RYB	194, 78, 171
Decimal	12734123
CIELab	51.68, 57.31, -27.33
CIELCh	52, 63.490, 334.500
Yxy	19.8584, 0.3482, 0.2139
Android (android.graphics.Color)	4290924203 (0xFFC24EAB)
YUV	123.2860, 23.5230, 62.0162
Hunter-Lab	44.5628, 51.5028, -22.8962

Details

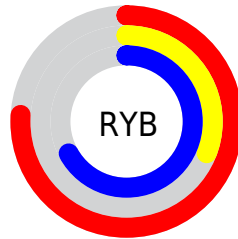
The Yxy color **19.8584, 0.3482, 0.2139** is a dark color, and the websafe version is hex **CC66CC**. The color can be described as middle muted rose. A complement of this color would be **41.1523, 0.2920, 0.4848**, and the grayscale version is **19.8169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2038, 0.3417, 0.2352**, and **6.9142, 0.3576, 0.1801** is the 20% darker color. If you saturate the color by 10%, you get **17.3531, 0.3559, 0.2006**, and if you desaturate by 10%, it is **23.1829, 0.3408, 0.2304**.

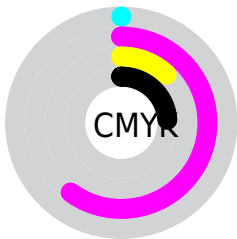
Distribution



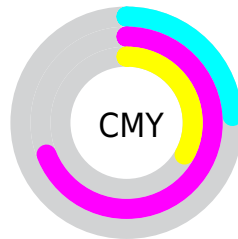
- Red (76%)
- Green (31%)
- Blue (67%)



- Red (76%)
- Yellow (31%)
- Blue (67%)



- Cyan (0%)
- Magenta (60%)
- Yellow (12%)
- Black (24%)





- Cyan (24%)
- Magenta (69%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8584, 0.3482, 0.2139 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 19.8584, 0.3482, 0.2139 by changing the saturation by 10% instead.


 19.8584, 0.3482,
0.2139


 19.8584, 0.3482,
0.2139


251.1475, 0.3308,
0.2730


 12.2922, 0.3523,
0.1989

 43.1797, 0.3420,
0.2356


 6.9430, 0.3573,
0.1797


 59.7035, 0.3397,
0.2437

 3.4265, 0.3634,
0.1544


 79.9819, 0.3376,
0.2505

 1.3582, 0.3706,
0.1202

 104.3994, 0.3359,
0.2563

 0.1856, 0.3912,
0.0401

 133.3403, 0.3344,
0.2614

 0.0000, 0.3656,
0.0000

167.1890, 0.3330,

 0.0000, 0.0000,

0.2657

0.0000

206.3300, 0.3318,
0.2696

■ 19.8584, 0.3482,
0.2139

■ 19.8584, 0.3482,
0.2139

■ 17.3531, 0.3559,
0.2006

■ 23.1829, 0.3408,
0.2304

■ 15.5902, 0.3637,
0.1914

■ 27.3888, 0.3338,
0.2492

■ 14.4835, 0.3713,
0.1867

■ 32.5354, 0.3275,
0.2692

■ 13.8670, 0.3786,
0.1860

■ 38.6760, 0.3219,
0.2896

■ 13.8562, 0.3787,
0.1860

■ 45.8602, 0.3169,
0.3099

■ 54.1339, 0.3126,
0.3294

■ 63.5405, 0.3090,
0.3479

■ 74.1210, 0.3059,
0.3651

■ 85.9143, 0.3032,
0.3811

Harmonies

Analogous

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



19.8584, 0.2382, 0.1768



19.8584, 0.3482, 0.2139



19.8584, 0.4670, 0.2726

Triad

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



19.8584, 0.3482, 0.2139



19.8584, 0.4497, 0.4983



19.8584, 0.1325, 0.2523

Complementary

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



19.8584, 0.3482, 0.2139



41.1523, 0.2920, 0.4848

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.



19.8584, 0.1696, 0.3717



19.8584, 0.3482, 0.2139



19.8584, 0.3513, 0.5485

Square

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



19.8584, 0.3482, 0.2139



19.8584, 0.5209, 0.4189



19.8584, 0.2488, 0.5045



19.8584, 0.1331, 0.1881

Rectangle

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



19.8584, 0.3482, 0.2139



19.8584, 0.5205, 0.3185



19.8584, 0.2488, 0.5045



19.8584, 0.1403, 0.2861

Sweetspot

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



19.8593, 0.3482, 0.2139



71.9068, 0.3211, 0.2927



12.0104, 0.2149, 0.1463



14.9632, 0.3226, 0.2867



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.



19.8593, 0.3482, 0.2139



30.2237, 0.3585, 0.1971



18.1509, 0.4359, 0.2820



10.2121, 0.3167, 0.3107



9.1196, 0.3778, 0.1855



0.4030, 0.3629, 0.1773

Inverse Universe

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



19.8593, 0.3482, 0.2139



30.2237, 0.3585, 0.1971



42.6562, 0.2596, 0.3879



10.2121, 0.3167, 0.3107



9.1196, 0.3778, 0.1855



0.4030, 0.3629, 0.1773

Previews

White Background



This preview shows how the Yxy color 19.8584, 0.3482, 0.2139 looks on a white background.

Color Contrast Check

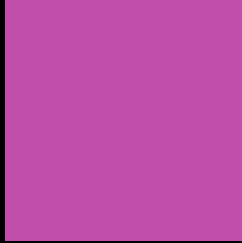
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8584, 0.3482, 0.2139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

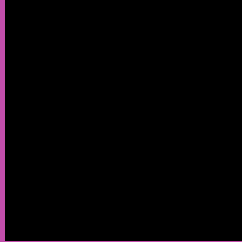
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8584, 0.3482, 0.2139

Background



This preview shows how black text looks on a background with the Yxy color 19.8584, 0.3482, 0.2139.



This preview shows how white text looks on a background with the Yxy color 19.8584, 0.3482, 0.2139.

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

19.8584, 0.3482, 0.2139

Protanopia

20.2057, 0.2129, 0.1955

Deuteranopia

20.1768, 0.2617, 0.2564



Tritanopia

19.8898, 0.4371, 0.3211

Trichromacy



Original Color

19.8584, 0.3482, 0.2139

Protanomaly

18.4654, 0.2475, 0.1950

Deuteranomaly

18.9377, 0.2883, 0.2327

Tritanomaly

19.6242, 0.4055, 0.2779

Monochromacy



Original Color

19.8584, 0.3482, 0.2139

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.7984, 0.3271, 0.2747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8584, 0.3482, 0.2139 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(194, 78, 171)` looks like.

```
.text, #text, p{  
    color:rgb(194, 78, 171)  
}
```

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(194, 78, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 78, 171) }
```

Border

The CSS property to change the border of an element to Yxy 19.8584, 0.3482, 0.2139 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(194, 78, 171) }
```

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

```
.border{ border-color:rgb(194, 78, 171) }
```

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

Here you see how a box with a 4 pixel rgb(194, 78, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 78, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 78, 171);  
box-shadow:4px 4px 4px 4px rgb(194, 78,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8584, 0.3482, 0.2139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 78, 171) }
```

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

```
.background{ background-color: rgb(194, 78,  
171) }
```

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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