

Converting Colors

$Y_{xy}(19.9609, 0.3492, 0.2304)$

Have a look what the booklet for
Yxy(19.9609, 0.3492, 0.2304)
contains.

Yxy(19.8641, 0.3490, 0.2297)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.8641, 0.3490, 0.2297)

Conversions

Conversions Part 1

Format	Color
Hex	BA57A2
RGB	186, 87, 162
RGB Percent	73%, 34%, 64%
CMY	0.2706, 0.6588, 0.3646
CMYK	0.00, 0.53, 0.13, 0.27
HSL	315°, 42%, 54%
HSV	315°, 53%, 73%
XYZ	30.1810, 19.8641, 36.4334
YIQ	125.1510, 34.9290, 44.3130

Conversions

Conversions Part 2

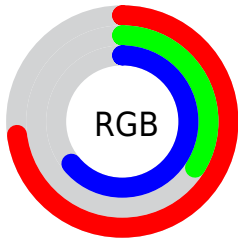
Format	Color
R _Y B	186, 87, 162
Decimal	12212130
CIE Lab	51.68, 49.38, -22.15
CIE LCh	52, 54.120, 335.836
Yxy	19.8641, 0.3490, 0.2297
Android (android.graphics.Color)	4290402210 (0xFFBA57A2)
YUV	125.1510, 18.1666, 53.3646
Hunter-Lab	44.5692, 42.8791, -17.2686

Details

The Yxy color **19.8641, 0.3490, 0.2297** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **38.2926, 0.2907, 0.4570**, and the grayscale version is **20.4911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2926, 0.3421, 0.2495**, and **6.9046, 0.3596, 0.1980** is the 20% darker color. If you saturate the color by 10%, you get **17.0740, 0.3583, 0.2149**, and if you desaturate by 10%, it is **23.4377, 0.3404, 0.2470**.

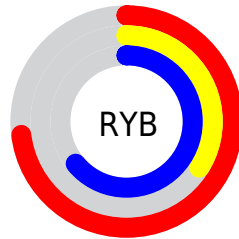
Distribution



Red (73%)

Green (34%)

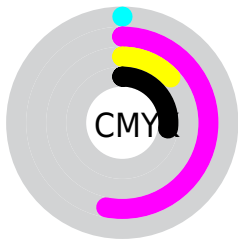
Blue (64%)



Red (73%)

Yellow (34%)

Blue (64%)

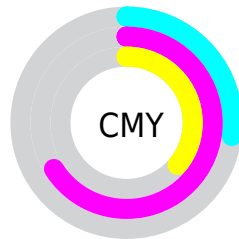


Cyan (0%)

Magenta (53%)

Yellow (13%)

Black (27%)



Cyan (27%)

Magenta (66%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8641, 0.3490, 0.2297 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 19.8641, 0.3490, 0.2297 by changing the saturation by 10% instead.


 19.8641, 0.3490,
0.2297


 19.8641, 0.3490,
0.2297


251.1785, 0.3304,
0.2817


 12.2963, 0.3537,
0.2161

 43.1892, 0.3422,
0.2491


 6.9458, 0.3597,
0.1984


 59.7153, 0.3396,
0.2562

 3.4282, 0.3676,
0.1744


 79.9963, 0.3375,
0.2622

 1.3592, 0.3781,
0.1408

 104.4166, 0.3357,
0.2673

 0.1863, 0.4096,
0.0507

133.3606, 0.3341,
0.2716

 0.0000, 0.3768,
0.0000

167.2126, 0.3327,

 0.0000, 0.0000,

0.2754

0.0000

206.3571, 0.3315,
0.2787

■ 19.8641, 0.3490,
0.2297

■ 19.8641, 0.3490,
0.2297

■ 17.0740, 0.3583,
0.2149

■ 23.4377, 0.3404,
0.2470

■ 15.0036, 0.3679,
0.2035

■ 27.8464, 0.3325,
0.2658

■ 13.5838, 0.3777,
0.1963

■ 33.1408, 0.3256,
0.2852

■ 12.7305, 0.3872,
0.1939

■ 39.3666, 0.3195,
0.3045

■ 12.3607, 0.3936,
0.1942

■ 46.5662, 0.3142,
0.3232

■ 54.7797, 0.3098,
0.3409

■ 64.0446, 0.3060,
0.3576

■ 74.3968, 0.3028,
0.3730

■ 85.8702, 0.3001,
0.3873

Harmonies

Analogous

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



19.8641, 0.2524, 0.1949



19.8641, 0.3490, 0.2297



19.8641, 0.4486, 0.2840

Triad

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



19.8641, 0.3490, 0.2297



19.8641, 0.4341, 0.4836



19.8641, 0.1525, 0.2617

Complementary

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



19.8641, 0.3490, 0.2297



38.2926, 0.2907, 0.4570

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.



19.8641, 0.1864, 0.3616



19.8641, 0.3490, 0.2297



19.8641, 0.3474, 0.5161

Square

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



19.8641, 0.3490, 0.2297



19.8641, 0.4947, 0.4179



19.8641, 0.2566, 0.4708



19.8641, 0.1534, 0.2046

Rectangle

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



19.8641, 0.3490, 0.2297



19.8641, 0.4930, 0.3264



19.8641, 0.2566, 0.4708



19.8641, 0.1597, 0.2906

Sweetspot

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



19.8650, 0.3490, 0.2297



67.7404, 0.3212, 0.2986



13.6831, 0.2325, 0.1700



14.3967, 0.3225, 0.2947



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.



19.8650, 0.3490, 0.2297



30.1647, 0.3600, 0.2125



18.4571, 0.4231, 0.2929



9.1245, 0.3173, 0.3118



8.3279, 0.3924, 0.1935



0.3027, 0.3704, 0.1814

Inverse Universe

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



19.8650, 0.3490, 0.2297



30.1647, 0.3600, 0.2125



39.6694, 0.2605, 0.3717



9.1245, 0.3173, 0.3118



8.3279, 0.3924, 0.1935



0.3027, 0.3704, 0.1814

Previews

White Background



This preview shows how the Yxy color 19.8641, 0.3490, 0.2297 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 19.8641, 0.3490, 0.2297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

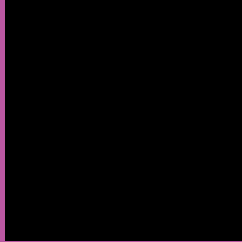
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8641, 0.3490, 0.2297

Background



This preview shows how black text looks on a background with the Yxy color 19.8641, 0.3490, 0.2297.



This preview shows how white text looks on a background with the Yxy color 19.8641, 0.3490, 0.2297.

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

19.8641, 0.3490, 0.2297

Protanopia

20.3025, 0.2310, 0.2192

Deuteranopia

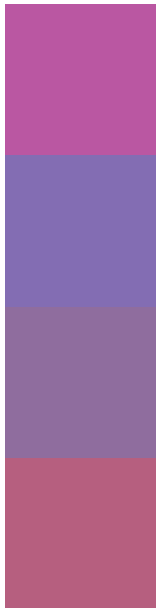
19.9970, 0.2738, 0.2678



Tritanopia

19.8792, 0.4180, 0.3192

Trichromacy



Original Color

19.8641, 0.3490, 0.2297

Protanomaly

19.0172, 0.2637, 0.2184

Deuteranomaly

19.2455, 0.2980, 0.2497

Tritanomaly

19.6618, 0.3926, 0.2837

Monochromacy



Original Color

19.8641, 0.3490, 0.2297

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.4069, 0.3264, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8641, 0.3490, 0.2297 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(186, 87, 162)` looks like.

```
.text, #text, p{  
    color:rgb(186, 87, 162)  
}
```

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(186, 87, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 87, 162) }
```

Border

The CSS property to change the border of an element to Yxy 19.8641, 0.3490, 0.2297 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(186, 87, 162) }
```

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

```
.border{ border-color:rgb(186, 87, 162) }
```

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

Here you see how a box with a 4 pixel rgb(186, 87, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 87, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 87, 162);  
box-shadow:4px 4px 4px 4px rgb(186, 87,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8641, 0.3490, 0.2297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 87, 162) }
```

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

```
.background{ background-color: rgb(186, 87,  
162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor