

Converting Colors

$Y_{xy}(21.8227, 0.3361, 0.2344)$

Have a look what the booklet for
Yxy(21.8227, 0.3361, 0.2344)
contains.

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Color

Yxy(21.7903, 0.3359, 0.2339)

Conversions

Conversions Part 1

Format	Color
Hex	B862A9
RGB	184, 98, 169
RGB Percent	72%, 38%, 66%
CMY	0.2785, 0.6156, 0.3374
CMYK	0.00, 0.47, 0.08, 0.28
HSL	310°, 38%, 55%
HSV	310°, 47%, 72%
XYZ	31.2927, 21.7903, 40.0778
YIQ	131.8080, 28.4650, 40.3130

Conversions

Conversions Part 2

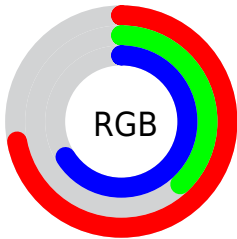
Format	Color
R_{YB}	184, 98, 169
Decimal	12083881
CIE _{Lab}	53.80, 44.38, -22.98
CIE _{LCh}	54, 49.973, 332.621
Yxy	21.7903, 0.3359, 0.2339
Android (android.graphics.Color)	4290273961 (0xFFB862A9)
YUV	131.8080, 18.3357, 45.7724
Hunter-Lab	46.6801, 37.9700, -18.2281

Details

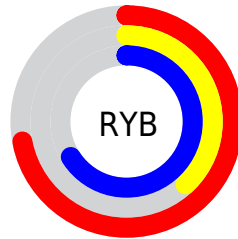
The Yxy color **21.7903, 0.3359, 0.2339** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **38.0690, 0.2964, 0.4485**, and the grayscale version is **22.9279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3923, 0.3327, 0.2524**, and **7.9055, 0.3412, 0.2037** is the 20% darker color. If you saturate the color by 10%, you get **18.6150, 0.3423, 0.2163**, and if you desaturate by 10%, it is **25.7619, 0.3299, 0.2535**.

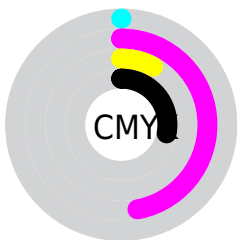
Distribution



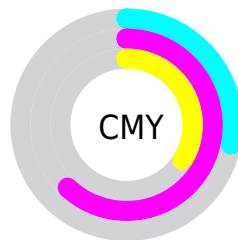
- Red (72%)
- Green (38%)
- Blue (66%)



- Red (72%)
- Yellow (38%)
- Blue (66%)



- Cyan (0%)
- Magenta (47%)
- Yellow (8%)
- Black (28%)




- Cyan (28%)
- Magenta (62%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7903, 0.3359, 0.2339 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 21.7903, 0.3359, 0.2339 by changing the saturation by 10% instead.


 21.7903, 0.3359,
0.2339


 21.7903, 0.3359,
0.2339


261.4492, 0.3246,
0.2832


 13.7029, 0.3385,
0.2211


 46.3992, 0.3319,
0.2522


 7.9143, 0.3417,
0.2046


 63.6894, 0.3304,
0.2589

 4.0402, 0.3455,
0.1823


 84.8161, 0.3291,
0.2646

 1.6961, 0.3499,
0.1512

 110.1635, 0.3280,
0.2694

 0.4211, 0.3595,
0.0912

140.1162, 0.3270,
0.2736

 0.0000, 0.3341,
0.0000

175.0584, 0.3261,

 0.0000, 0.0000,

0.2772

0.0000

215.3746, 0.3253,
0.2804

■ 21.7903, 0.3359,
0.2339

■ 21.7903, 0.3359,
0.2339

■ 18.6150, 0.3423,
0.2163

■ 25.7619, 0.3299,
0.2535

■ 16.1781, 0.3490,
0.2015

■ 30.5766, 0.3244,
0.2742

■ 14.4186, 0.3557,
0.1906


■ 36.2812, 0.3196,
0.2951


■ 13.2642, 0.3623,
0.1841

■ 42.9179, 0.3153,
0.3156

■ 12.6167, 0.3686,
0.1819

■ 50.5266, 0.3116,
0.3353

 12.4514, 0.3707,
0.1816

 59.1445, 0.3084,
0.3540

 68.8070, 0.3057,
0.3713

 79.5480, 0.3034,
0.3874

 85.7824, 0.3015,
0.3936

Harmonies

Analogous

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



21.7903, 0.2505, 0.2038



21.7903, 0.3359, 0.2339



21.7903, 0.4262, 0.2829

Triad

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



21.7903, 0.3359, 0.2339



21.7903, 0.4326, 0.4657



21.7903, 0.1680, 0.2777

Complementary

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



21.7903, 0.3359, 0.2339



38.0690, 0.2964, 0.4485

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.



21.7903, 0.2040, 0.3699



21.7903, 0.3359, 0.2339



21.7903, 0.3557, 0.4958

Square

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



21.7903, 0.3359, 0.2339



21.7903, 0.4820, 0.4066



21.7903, 0.2719, 0.4618



21.7903, 0.1649, 0.2202

Rectangle

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



21.7903, 0.3359, 0.2339



21.7903, 0.4697, 0.3222



21.7903, 0.2719, 0.4618



21.7903, 0.1761, 0.3053

Sweetspot

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



21.7913, 0.3359, 0.2339



68.6149, 0.3184, 0.3003



15.6662, 0.2387, 0.1893



14.2641, 0.3194, 0.2958



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



21.7913, 0.3359, 0.2339



33.6421, 0.3425, 0.2159



20.4517, 0.3945, 0.2887



9.1351, 0.3163, 0.3103



8.5914, 0.3700, 0.1812



0.3100, 0.3553, 0.1731

Inverse Universe

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



21.7913, 0.3359, 0.2339



33.6421, 0.3425, 0.2159



39.2537, 0.2688, 0.3752



9.1351, 0.3163, 0.3103



8.5914, 0.3700, 0.1812



0.3100, 0.3553, 0.1731

Previews

White Background



This preview shows how the Yxy color 21.7903, 0.3359, 0.2339 looks on a white background.

Color Contrast Check

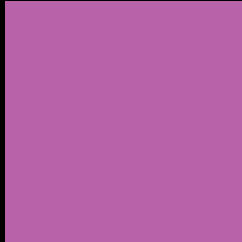
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7903, 0.3359, 0.2339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

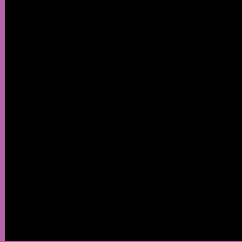
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7903, 0.3359, 0.2339

Background



This preview shows how black text looks on a background with the Yxy color 21.7903, 0.3359, 0.2339.



This preview shows how white text looks on a background with the Yxy color 21.7903, 0.3359, 0.2339.

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

21.7903, 0.3359, 0.2339

Protanopia

22.0661, 0.2366, 0.2264

Deuteranopia

22.0700, 0.2715, 0.2668



Tritanopia

21.6866, 0.3958, 0.3174

Trichromacy



Original Color

21.7903, 0.3359, 0.2339

Protanomaly

21.0606, 0.2653, 0.2255

Deuteranomaly

21.2637, 0.2920, 0.2503

Tritanomaly

21.5840, 0.3733, 0.2845

Monochromacy



Original Color

21.7903, 0.3359, 0.2339

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.0566, 0.3219, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7903, 0.3359, 0.2339 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(184, 98, 169)` looks like.

```
.text, #text, p{  
    color:rgb(184, 98, 169)  
}
```

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(184, 98, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 98, 169) }
```

Border

The CSS property to change the border of an element to Yxy 21.7903, 0.3359, 0.2339 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(184, 98, 169) }
```

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

```
.border{ border-color:rgb(184, 98, 169) }
```

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

Here you see how a box with a 4 pixel rgb(184, 98, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 98, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 98, 169);  
box-shadow:4px 4px 4px 4px rgb(184, 98,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7903, 0.3359, 0.2339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 98, 169) }
```

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

```
.background{ background-color: rgb(184, 98,  
169) }
```

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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