

Converting Colors

$Y_{xy}(22.0225, 0.3805, 0.2435)$

Have a look what the booklet for
Yxy(22.0225, 0.3805, 0.2435)
contains.

Yxy(21.8932, 0.3803, 0.2433)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8932, 0.3803, 0.2433)

Conversions

Conversions Part 1

Format	Color
Hex	CC569C
RGB	204, 86, 156
RGB Percent	80%, 34%, 61%
CMY	0.2002, 0.6626, 0.3883
CMYK	0.00, 0.58, 0.24, 0.20
HSL	324°, 54%, 57%
HSV	324°, 58%, 80%
XYZ	34.2211, 21.8932, 33.8701
YIQ	129.2620, 47.8580, 46.7860

Conversions

Conversions Part 2

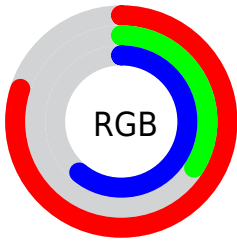
Format	Color
R_{YB}	204, 86, 156
Decimal	13391516
CIE _{Lab}	53.91, 54.35, -14.97
CIE _{LCh}	54, 56.377, 344.598
Yxy	21.8932, 0.3803, 0.2433
Android (android.graphics.Color)	4291581596 (0xFFCC569C)
YUV	129.2620, 13.1818, 65.5452
Hunter-Lab	46.7902, 48.6673, -10.1653

Details

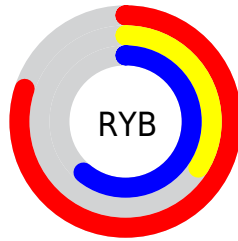
The Yxy color **21.8932, 0.3803, 0.2433** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **46.8680, 0.2788, 0.4395**, and the grayscale version is **21.9944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0129, 0.3582, 0.2579**, and **8.0068, 0.4036, 0.2158** is the 20% darker color. If you saturate the color by 10%, you get **18.8155, 0.3978, 0.2329**, and if you desaturate by 10%, it is **25.9215, 0.3643, 0.2565**.

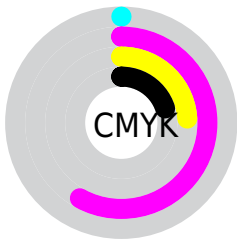
Distribution



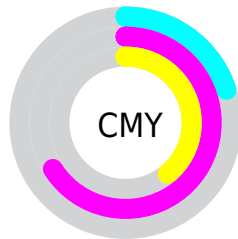
- Red (80%)
- Green (34%)
- Blue (61%)



- Red (80%)
- Yellow (34%)
- Blue (61%)



- Cyan (0%)
- Magenta (58%)
- Yellow (24%)
- Black (20%)




- Cyan (20%)
- Magenta (66%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8932, 0.3803, 0.2433 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 21.8932, 0.3803, 0.2433 by changing the saturation by 10% instead.


 21.8932, 0.3803,
0.2433


 21.8932, 0.3803,
0.2433


261.9880, 0.3440,
0.2882


 13.7784, 0.3902,
0.2315


 46.5694, 0.3665,
0.2601

 7.9667, 0.4035,
0.2160


 63.8997, 0.3615,
0.2663

 4.0737, 0.4221,
0.1949


 85.0705, 0.3573,
0.2714

 1.7149, 0.4499,
0.1648

 110.4664, 0.3538,
0.2758

 0.4332, 0.5036,
0.1042

140.4717, 0.3508,
0.2796

 0.0000, 0.6867,
0.0000

175.4708, 0.3482,

 0.0000, 0.0000,

0.2828

0.0000

215.8481, 0.3460,
0.2857

■ 21.8932, 0.3803,
0.2433

■ 21.8932, 0.3803,
0.2433

■ 18.8155, 0.3978,
0.2329

■ 25.9215, 0.3643,
0.2565

■ 16.6033, 0.4164,
0.2265

■ 30.9693, 0.3501,
0.2714

■ 15.1620, 0.4354,
0.2250

■ 37.1028, 0.3379,
0.2869

■ 14.3534, 0.4539,
0.2286

■ 44.3818, 0.3274,
0.3026

■ 14.2116, 0.4579,
0.2296

■ 52.8615, 0.3186,
0.3177

■ 62.5938, 0.3112,
0.3321

■ 73.6271, 0.3051,
0.3455

■ 86.0077, 0.3000,
0.3580

■ 90.1021, 0.2955,
0.3548

Harmonies

Analogous

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



21.8932, 0.2777, 0.2018



21.8932, 0.3803, 0.2433



21.8932, 0.4726, 0.3018

Triad

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



21.8932, 0.3803, 0.2433



21.8932, 0.4110, 0.4998



21.8932, 0.1484, 0.2397

Complementary

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



21.8932, 0.3803, 0.2433



46.8680, 0.2788, 0.4395

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.



21.8932, 0.1716, 0.3286



21.8932, 0.3803, 0.2433



21.8932, 0.3201, 0.5139

Square

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



21.8932, 0.3803, 0.2433



21.8932, 0.4822, 0.4387



21.8932, 0.2321, 0.4435



21.8932, 0.1587, 0.1945

Rectangle

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



21.8932, 0.3803, 0.2433



21.8932, 0.5051, 0.3458



21.8932, 0.2321, 0.4435



21.8932, 0.1521, 0.2644

Sweetspot

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



21.8943, 0.3803, 0.2433



74.3079, 0.3269, 0.3035



16.0242, 0.2420, 0.1620



15.3406, 0.3288, 0.3003



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.



21.8943, 0.3803, 0.2433



30.2957, 0.4017, 0.2312



20.3731, 0.4706, 0.3152



11.3235, 0.3199, 0.3153



8.9679, 0.4555, 0.2283



0.4775, 0.4223, 0.2100

Inverse Universe

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



21.8943, 0.3803, 0.2433



30.2957, 0.4017, 0.2312



48.9596, 0.2471, 0.3460



11.3235, 0.3199, 0.3153



8.9679, 0.4555, 0.2283



0.4775, 0.4223, 0.2100

Previews

White Background



This preview shows how the Yxy color 21.8932, 0.3803, 0.2433 looks on a white background.

Color Contrast Check

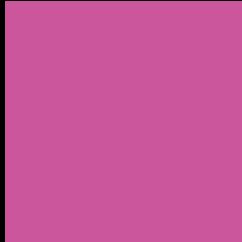
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8932, 0.3803, 0.2433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

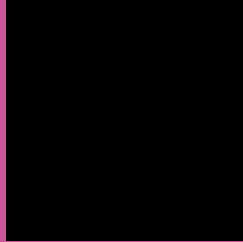
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8932, 0.3803, 0.2433

Background



This preview shows how black text looks on a background with the Yxy color 21.8932, 0.3803, 0.2433.



This preview shows how white text looks on a background with the Yxy color 21.8932, 0.3803, 0.2433.

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

21.8932, 0.3803, 0.2433

Protanopia

22.1034, 0.2432, 0.2336

Deuteranopia

22.0293, 0.2941, 0.2882



Tritanopia

21.8974, 0.4458, 0.3204

Trichromacy



Original Color

21.8932, 0.3803, 0.2433



Protanomaly

20.7032, 0.2828, 0.2323



Deuteranomaly

20.9050, 0.3232, 0.2654



Tritanomaly

21.8782, 0.4218, 0.2908

Monochromacy



Original Color

21.8932, 0.3803, 0.2433



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.7423, 0.3364, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8932, 0.3803, 0.2433 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(204, 86, 156)` looks like.

```
.text, #text, p{  
    color:rgb(204, 86, 156)  
}
```

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(204, 86, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 86, 156) }
```

Border

The CSS property to change the border of an element to Yxy 21.8932, 0.3803, 0.2433 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(204, 86, 156) }
```

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

```
.border{ border-color:rgb(204, 86, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 86, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 86, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 86, 156);  
box-shadow:4px 4px 4px 4px rgb(204, 86,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8932, 0.3803, 0.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 86, 156) }
```

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

```
.background{ background-color: rgb(204, 86,  
156) }
```

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