

Converting Colors

$Y_{xy}(21.9954, 0.2902, 0.1736)$

Have a look what the booklet for
Yxy(21.9954, 0.2902, 0.1736)
contains.

Yxy(21.9915, 0.2902, 0.1735)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.9915, 0.2902, 0.1735)

Conversions

Conversions Part 1

Format	Color
Hex	BE52D9
RGB	190, 82, 217
RGB Percent	75%, 32%, 85%
CMY	0.2548, 0.6785, 0.1489
CMYK	0.12, 0.62, 0.00, 0.15
HSL	288°, 64%, 59%
HSV	288°, 62%, 85%
XYZ	36.7835, 21.9915, 67.9772
YIQ	129.6820, 21.0330, 64.8810

Conversions

Conversions Part 2

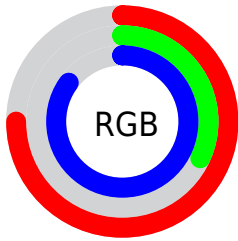
Format	Color
RYB	190, 82, 217
Decimal	12473049
CIELab	54.02, 62.57, -50.21
CIELCh	54, 80.226, 321.251
Yxy	21.9915, 0.2902, 0.1735
Android (android.graphics.Color)	4290663129 (0xFFBE52D9)
YUV	129.6820, 43.0478, 52.8989
Hunter-Lab	46.8951, 57.9450, -53.1178

Details

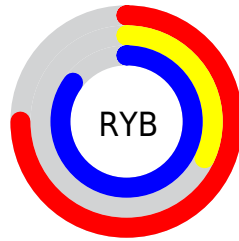
The Yxy color **21.9915, 0.2902, 0.1735** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **53.5053, 0.3178, 0.5208**, and the grayscale version is **22.0436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2511, 0.3128, 0.2143**, and **7.9924, 0.2780, 0.1361** is the 20% darker color. If you saturate the color by 10%, you get **18.6707, 0.2850, 0.1550**, and if you desaturate by 10%, it is **26.3655, 0.2951, 0.1956**.

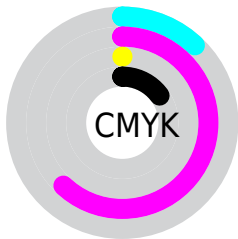
Distribution



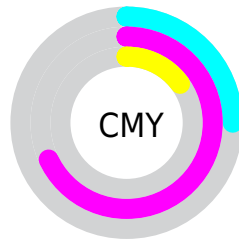
- Red (75%)
- Green (32%)
- Blue (85%)



- Red (75%)
- Yellow (32%)
- Blue (85%)



- Cyan (12%)
- Magenta (62%)
- Yellow (0%)
- Black (15%)





- Cyan (25%)
- Magenta (68%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9915, 0.2902, 0.1735 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 21.9915, 0.2902, 0.1735 by changing the saturation by 10% instead.


 21.9915, 0.2902,
0.1735


 21.9915, 0.2902,
0.1735


262.5019, 0.3059,
0.2481


 13.8507, 0.2850,
0.1565


 46.7319, 0.2969,
0.1995

 8.0169, 0.2776,
0.1360


 64.1003, 0.2991,
0.2096


 4.1057, 0.2666,
0.1108


 85.3134, 0.3009,
0.2183

 1.7329, 0.2497,
0.0804

 110.7554, 0.3023,
0.2258

 0.4448, 0.2233,
0.0396

 140.8109, 0.3035,
0.2324

 0.0000, 0.1769,
0.0000

175.8642, 0.3044,

 0.0000, 0.0000,

0.2383

0.0000

216.2997, 0.3052,
0.2434

■ 21.9915, 0.2902,
0.1735

■ 21.9915, 0.2902,
0.1735

■ 18.6707, 0.2850,
0.1550

■ 26.3655, 0.2951,
0.1956

■ 16.2987, 0.2796,
0.1408

■ 31.8783, 0.2996,
0.2202

■ 14.7544, 0.2743,
0.1311

■ 38.6099, 0.3036,
0.2462

■ 13.9662, 0.2702,
0.1262

■ 46.6321, 0.3070,
0.2726

■ 56.0114, 0.3099,
0.2986

■ 66.8093, 0.3123,
0.3236

■ 79.0837, 0.3141,
0.3471

■ 92.4999, 0.3157,
0.3684

■ 93.2057, 0.3184,
0.3680

Harmonies

Analogous

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



21.9915, 0.1821, 0.1454



21.9915, 0.2902, 0.1735



21.9915, 0.4382, 0.2290

Triad

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



21.9915, 0.2902, 0.1735



21.9915, 0.5063, 0.4729



21.9915, 0.1161, 0.2869

Complementary

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



21.9915, 0.2902, 0.1735



53.5053, 0.3178, 0.5208

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.



21.9915, 0.1754, 0.4604



21.9915, 0.2902, 0.1735



21.9915, 0.3982, 0.5677

Square

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



21.9915, 0.2902, 0.1735



21.9915, 0.5735, 0.3802



21.9915, 0.2801, 0.5916



21.9915, 0.1027, 0.1865

Rectangle

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



21.9915, 0.2902, 0.1735



21.9915, 0.5258, 0.2761



21.9915, 0.2801, 0.5916



21.9915, 0.1300, 0.3386

Sweetspot

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



21.9924, 0.2902, 0.1735



71.0956, 0.3080, 0.2806



18.2263, 0.2011, 0.1688



14.4244, 0.3071, 0.2731



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.



21.9924, 0.2902, 0.1735



25.5700, 0.2831, 0.1496



24.0344, 0.3652, 0.2208



13.1364, 0.3106, 0.3057



8.4965, 0.2710, 0.1266



0.5846, 0.2795, 0.1314

Inverse Universe

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



21.8931, 0.4701, 0.2992



25.8582, 0.5256, 0.2990



52.8002, 0.2860, 0.4762



13.0939, 0.3260, 0.3243



9.0494, 0.6065, 0.3115



0.5986, 0.5614, 0.2866

Previews

White Background



This preview shows how the Yxy color 21.9915, 0.2902, 0.1735 looks on a white background.

Color Contrast Check

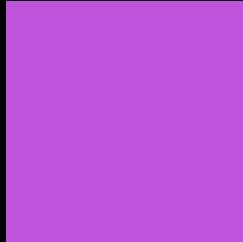
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9915, 0.2902, 0.1735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

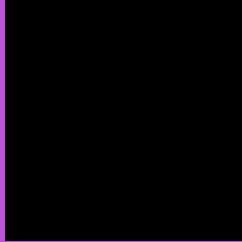
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9915, 0.2902, 0.1735

Background



This preview shows how black text looks on a background with the Yxy color 21.9915, 0.2902, 0.1735.



This preview shows how white text looks on a background with the Yxy color 21.9915, 0.2902, 0.1735.

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

21.9915, 0.2902, 0.1735

Protanopia

22.5156, 0.1814, 0.1535

Deuteranopia

22.3583, 0.2122, 0.2069



Tritanopia

21.9309, 0.3895, 0.3173

Trichromacy



Original Color

21.9915, 0.2902, 0.1735



Protanomaly

19.9975, 0.2011, 0.1512



Deuteranomaly

20.6510, 0.2323, 0.1867



Tritanomaly

21.3047, 0.3499, 0.2524

Monochromacy



Original Color

21.9915, 0.2902, 0.1735



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

21.0943, 0.3043, 0.2530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9915, 0.2902, 0.1735 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(190, 82, 217)` looks like.

```
.text, #text, p{  
    color:rgb(190, 82, 217)  
}
```

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(190, 82, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 82, 217) }
```

Border

The CSS property to change the border of an element to Yxy 21.9915, 0.2902, 0.1735 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(190, 82, 217) }
```

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

```
.border{ border-color:rgb(190, 82, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 82, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 82, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 82, 217); box-shadow:4px 4px 4px 4px rgb(190, 82, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9915, 0.2902, 0.1735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 82, 217) }
```

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

```
.background{ background-color: rgb(190, 82,  
217) }
```

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