

Converting Colors

$Y_{xy}(21.0314, 0.3436, 0.2094)$

Have a look what the booklet for
Yxy(21.0314, 0.3436, 0.2094)
contains.

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Color

Yxy(20.9888, 0.3436, 0.2091)

Conversions

Conversions Part 1

Format	Color
Hex	C74FB3
RGB	199, 79, 179
RGB Percent	78%, 31%, 70%
CMY	0.2196, 0.6902, 0.2979
CMYK	0.00, 0.60, 0.10, 0.22
HSL	310°, 52%, 55%
HSV	310°, 60%, 78%
XYZ	34.4895, 20.9888, 44.8986
YIQ	126.2800, 39.4200, 56.5400

Conversions

Conversions Part 2

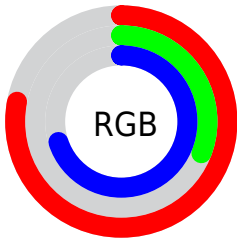
Format	Color
RYB	199, 79, 179
Decimal	13062067
CIELab	52.94, 59.49, -30.01
CIELCh	53, 66.627, 333.233
Yxy	20.9888, 0.3436, 0.2091
Android (android.graphics.Color)	4291252147 (0xFFC74FB3)
YUV	126.2800, 25.9910, 63.7754
Hunter-Lab	45.8135, 54.2052, -26.0364

Details

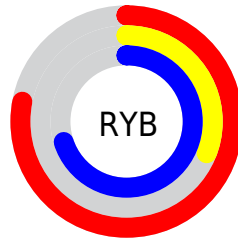
The Yxy color **20.9888, 0.3436, 0.2091** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **43.4116, 0.2939, 0.4926**, and the grayscale version is **20.8640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5861, 0.3358, 0.2307**, and **7.5201, 0.3503, 0.1750** is the 20% darker color. If you saturate the color by 10%, you get **18.4039, 0.3500, 0.1956**, and if you desaturate by 10%, it is **24.4380, 0.3373, 0.2259**.

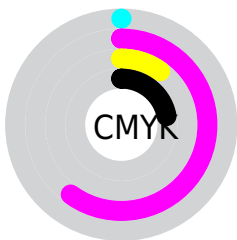
Distribution



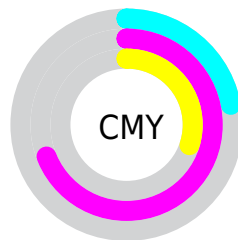
- Red (78%)
- Green (31%)
- Blue (70%)



- Red (78%)
- Yellow (31%)
- Blue (70%)



- Cyan (0%)
- Magenta (60%)
- Yellow (10%)
- Black (22%)



- Cyan (22%)
- Magenta (69%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9888, 0.3436, 0.2091 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 20.9888, 0.3436, 0.2091 by changing the saturation by 10% instead.


 20.9888, 0.3436,
0.2091


 20.9888, 0.3436,
0.2091


257.2190, 0.3291,
0.2697


 13.1158, 0.3467,
0.1941


 45.0689, 0.3387,
0.2311

 7.5083, 0.3504,
0.1750


 62.0448, 0.3367,
0.2394

 3.7820, 0.3546,
0.1501


 82.8238, 0.3350,
0.2464

 1.5524, 0.3588,
0.1172

 107.7903, 0.3335,
0.2524

 0.3252, 0.3678,
0.0560

 137.3286, 0.3322,
0.2576

 0.0000, 0.3574,
0.0000

171.8233, 0.3311,

 0.0000, 0.0000,

0.2622

0.0000

211.6586, 0.3301,
0.2662

■ 20.9888, 0.3436,
0.2091

■ 20.9888, 0.3436,
0.2091

■ 18.4039, 0.3500,
0.1956

■ 24.4380, 0.3373,
0.2259

■ 16.6009, 0.3564,
0.1862

■ 28.8181, 0.3314,
0.2452

■ 15.4868, 0.3626,
0.1814

■ 34.1925, 0.3259,
0.2658

■ 14.8919, 0.3683,
0.1803

■ 40.6183, 0.3210,
0.2870

■ 48.1482, 0.3166,
0.3080

■ 56.8314, 0.3128,
0.3284

■ 66.7142, 0.3095,
0.3477

■ 77.8401, 0.3067,
0.3658

■ 88.2584, 0.3044,
0.3795

Harmonies

Analogous

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



20.9888, 0.2322, 0.1725



20.9888, 0.3436, 0.2091



20.9888, 0.4670, 0.2680

Triad

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



20.9888, 0.3436, 0.2091



20.9888, 0.4556, 0.4981



20.9888, 0.1293, 0.2537

Complementary

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



20.9888, 0.3436, 0.2091



43.4116, 0.2939, 0.4926

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.



20.9888, 0.1683, 0.3788



20.9888, 0.3436, 0.2091



20.9888, 0.3554, 0.5542

Square

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



20.9888, 0.3436, 0.2091



20.9888, 0.5276, 0.4159



20.9888, 0.2505, 0.5152



20.9888, 0.1286, 0.1863

Rectangle

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



20.9888, 0.3436, 0.2091



20.9888, 0.5240, 0.3143



20.9888, 0.2505, 0.5152



20.9888, 0.1376, 0.2892

Sweetspot

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



20.9898, 0.3436, 0.2091



73.6477, 0.3201, 0.2913



12.2557, 0.2103, 0.1429



14.9856, 0.3214, 0.2851



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.



20.9898, 0.3436, 0.2091



31.2235, 0.3518, 0.1926



19.1142, 0.4311, 0.2765



10.7851, 0.3163, 0.3100



9.5864, 0.3676, 0.1798



0.4622, 0.3563, 0.1736

Inverse Universe

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



20.9898, 0.3436, 0.2091



31.2235, 0.3518, 0.1926



44.9458, 0.2615, 0.3953



10.7851, 0.3163, 0.3100



9.5864, 0.3676, 0.1798



0.4622, 0.3563, 0.1736

Previews

White Background



This preview shows how the Yxy color 20.9888, 0.3436, 0.2091 looks on a white background.

Color Contrast Check

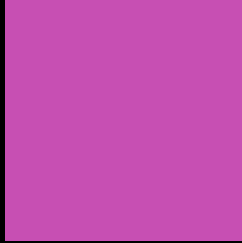
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9888, 0.3436, 0.2091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

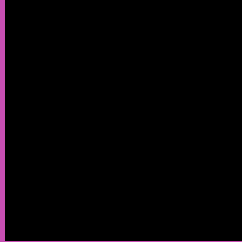
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9888, 0.3436, 0.2091

Background



This preview shows how black text looks on a background with the Yxy color 20.9888, 0.3436, 0.2091.



This preview shows how white text looks on a background with the Yxy color 20.9888, 0.3436, 0.2091.

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

20.9888, 0.3436, 0.2091

Protanopia

21.4513, 0.2082, 0.1887

Deuteranopia

21.2232, 0.2558, 0.2499



Tritanopia

20.8317, 0.4361, 0.3199

Trichromacy



Original Color

20.9888, 0.3436, 0.2091



Protanomaly

19.6261, 0.2416, 0.1894



Deuteranomaly

19.8400, 0.2825, 0.2262



Tritanomaly

20.6174, 0.4021, 0.2749

Monochromacy



Original Color

20.9888, 0.3436, 0.2091



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.7539, 0.3257, 0.2713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9888, 0.3436, 0.2091 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(199, 79, 179)` looks like.

```
.text, #text, p{  
    color:rgb(199, 79, 179)  
}
```

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(199, 79, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 79, 179) }
```

Border

The CSS property to change the border of an element to Yxy 20.9888, 0.3436, 0.2091 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(199, 79, 179) }
```

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

```
.border{ border-color:rgb(199, 79, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 79, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 79, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 79, 179);  
box-shadow:4px 4px 4px 4px rgb(199, 79,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9888, 0.3436, 0.2091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 79, 179) }
```

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

```
.background{ background-color: rgb(199, 79,  
179) }
```

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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