

Converting Colors

$Y_{xy}(20.3874, 0.2911, 0.1511)$

Have a look what the booklet for
Yxy(20.3874, 0.2911, 0.1511)
contains.

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Color

Yxy(20.3866, 0.2911, 0.1511)

Conversions

Conversions Part 1

Format	Color
Hex	C933E4
RGB	201, 51, 228
RGB Percent	79%, 20%, 89%
CMY	0.2117, 0.8000, 0.1059
CMYK	0.12, 0.78, 0.00, 0.11
HSL	291°, 77%, 55%
HSV	291°, 78%, 89%
XYZ	39.2756, 20.3866, 75.2591
YIQ	116.0280, 32.5830, 86.8470

Conversions

Conversions Part 2

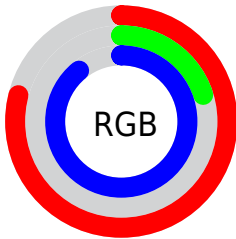
Format	Color
R _Y B	201, 51, 228
Decimal	13186020
CIE Lab	52.27, 78.14, -59.12
CIE LCh	52, 97.991, 322.889
Yxy	20.3866, 0.2911, 0.1511
Android (android.graphics.Color)	4291376100 (0xFFC933E4)
YUV	116.0280, 55.2022, 74.5204
Hunter-Lab	45.1515, 76.2551, -67.2192

Details

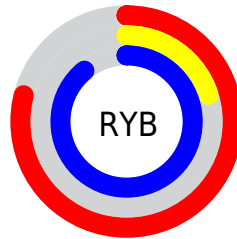
The Yxy color **20.3866, 0.2911, 0.1511** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **57.3415, 0.3106, 0.5657**, and the grayscale version is **17.2948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5146, 0.3189, 0.1978**, and **8.7293, 0.2774, 0.1302** is the 20% darker color. If you saturate the color by 10%, you get **18.3836, 0.2871, 0.1404**, and if you desaturate by 10%, it is **23.3778, 0.2950, 0.1663**.

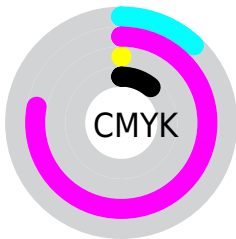
Distribution



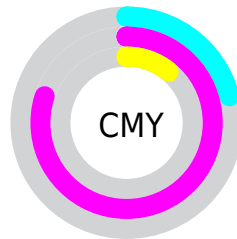
- Red (79%)
- Green (20%)
- Blue (89%)



- Red (79%)
- Yellow (20%)
- Blue (89%)



- Cyan (12%)
- Magenta (78%)
- Yellow (0%)
- Black (11%)




- Cyan (21%)
- Magenta (80%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3866, 0.2911, 0.1511 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 20.3866, 0.2911, 0.1511 by changing the saturation by 10% instead.


 20.3866, 0.2911,
0.1511


 20.3866, 0.2911,
0.1511


254.0004, 0.3077,
0.2338


 12.6764, 0.2854,
0.1332


 44.0644, 0.2984,
0.1792


 7.2061, 0.2773,
0.1121


 60.8008, 0.3007,
0.1904


 3.5913, 0.2654,
0.0872


 81.3146, 0.3026,
0.2001

 1.4477, 0.2472,
0.0588

 105.9904, 0.3041,
0.2085

 0.2515, 0.2205,
0.0189

 135.2125, 0.3052,
0.2160

 0.0000, 0.1724,
0.0000

169.3652, 0.3062,

 0.0000, 0.0172,

0.2226

0.0000

208.8331, 0.3070,
0.2285

■ 0.0000, 0.0000,
0.0000

■ 20.3866, 0.2911,
0.1511

■ 20.3866, 0.2911,
0.1511

■ 18.3836, 0.2871,
0.1404

■ 23.3778, 0.2950,
0.1663

■ 17.1953, 0.2831,
0.1340

■ 27.4806, 0.2988,
0.1856

■ 16.9694, 0.2821,
0.1328

■ 32.8030, 0.3022,
0.2081

■ 39.4396, 0.3052,
0.2328

■ 47.4754, 0.3078,
0.2587

■ 56.9884, 0.3099,
0.2847

■ 68.0509, 0.3116,
0.3103

■ 80.7303, 0.3130,
0.3347

■ 94.3260, 0.3141,
0.3564

Harmonies

Analogous

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



20.3866, 0.1635, 0.1194



20.3866, 0.2911, 0.1511



20.3866, 0.4763, 0.2128

Triad

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



20.3866, 0.2911, 0.1511



20.3866, 0.5176, 0.4824



20.3866, 0.0824, 0.2602

Complementary

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



20.3866, 0.2911, 0.1511



57.3415, 0.3106, 0.5657

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.



20.3866, 0.1378, 0.4829



20.3866, 0.2911, 0.1511



20.3866, 0.3853, 0.6147

Square

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



20.3866, 0.2911, 0.1511



20.3866, 0.6126, 0.3721



20.3866, 0.2492, 0.6619



20.3866, 0.0746, 0.1538

Rectangle

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



20.3866, 0.2911, 0.1511



20.3866, 0.5818, 0.2634



20.3866, 0.2492, 0.6619



20.3866, 0.0942, 0.3218

Sweetspot

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



20.3875, 0.2911, 0.1511



66.4613, 0.3088, 0.2704



12.1154, 0.1738, 0.1152



13.3068, 0.3080, 0.2609



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.



20.3875, 0.2911, 0.1511



22.6837, 0.2847, 0.1362



21.7250, 0.3968, 0.2137



14.4981, 0.3114, 0.3057



9.8412, 0.2827, 0.1331



0.7575, 0.2886, 0.1364

Inverse Universe

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



19.4104, 0.5476, 0.3077



21.9542, 0.6053, 0.3155



57.3130, 0.2816, 0.5056



14.4036, 0.3269, 0.3254



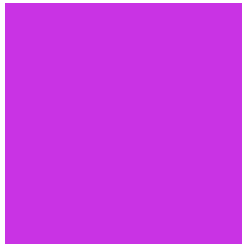
9.6044, 0.6184, 0.3180



0.7208, 0.5825, 0.2983

Previews

White Background



This preview shows how the Yxy color 20.3866, 0.2911, 0.1511 looks on a white background.

Color Contrast Check

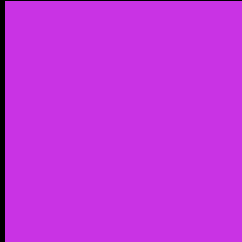
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3866, 0.2911, 0.1511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

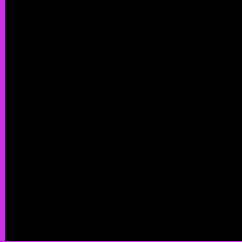
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3866, 0.2911, 0.1511

Background



This preview shows how black text looks on a background with the Yxy color 20.3866, 0.2911, 0.1511.

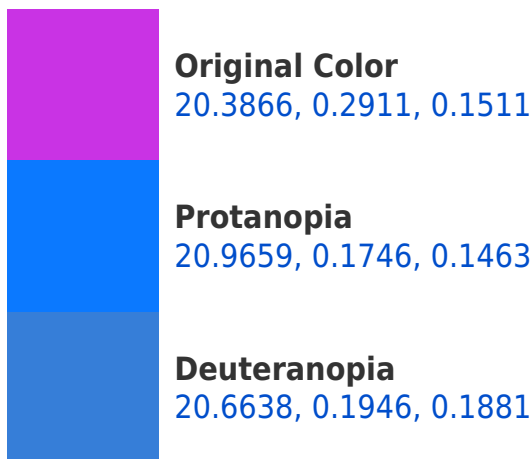


This preview shows how white text looks on a background with the Yxy color 20.3866, 0.2911, 0.1511.

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





Tritanopia

20.2786, 0.4265, 0.3195

Trichromacy



Original Color

20.3866, 0.2911, 0.1511



Protanomaly

16.6638, 0.1859, 0.1292



Deuteranomaly

17.2168, 0.2122, 0.1559



Tritanomaly

19.3130, 0.3736, 0.2404

Monochromacy



Original Color

20.3866, 0.2911, 0.1511



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.2917, 0.3043, 0.2259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3866, 0.2911, 0.1511 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(201, 51, 228)` looks like.

```
.text, #text, p{  
    color:rgb(201, 51, 228)  
}
```

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(201, 51, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 51, 228) }
```

Border

The CSS property to change the border of an element to Yxy 20.3866, 0.2911, 0.1511 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(201, 51, 228) }
```

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

```
.border{ border-color:rgb(201, 51, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 51, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 51, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 51, 228);  
box-shadow:4px 4px 4px 4px rgb(201, 51,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3866, 0.2911, 0.1511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 51, 228) }
```

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

```
.background{ background-color: rgb(201, 51,  
228) }
```

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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