

Converting Colors

$Y_{xy}(19.4154, 0.2801, 0.1365)$

Have a look what the booklet for
Yxy(19.4154, 0.2801, 0.1365)
contains.

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Color

Yxy(19.3901, 0.2795, 0.1360)

Conversions

Conversions Part 1

Format	Color
Hex	C81DEF
RGB	200, 29, 239
RGB Percent	78%, 11%, 94%
CMY	0.2156, 0.8868, 0.0626
CMYK	0.16, 0.88, 0.00, 0.06
HSL	289°, 87%, 53%
HSV	289°, 88%, 94%
XYZ	39.8495, 19.3901, 83.3347
YIQ	104.0690, 34.5060, 101.5620

Conversions

Conversions Part 2

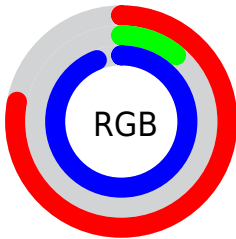
Format	Color
R _{YB}	200, 29, 239
Decimal	13114863
CIE _{Lab}	51.14, 84.83, -67.18
CIE _{LCh}	51, 108.208, 321.619
Yxy	19.3901, 0.2795, 0.1360
Android (android.graphics.Color)	4291304943 (0xFFC81DEF)
YUV	104.0690, 66.5210, 84.1315
Hunter-Lab	44.0342, 84.4768, -81.3823

Details

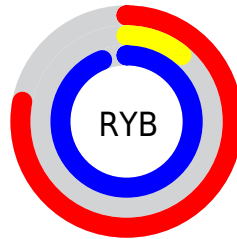
The Yxy color **19.3901, 0.2795, 0.1360** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **63.0695, 0.3096, 0.5834**, and the grayscale version is **13.6584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **8.9528, 0.2632, 0.1223** is the 20% darker color. If you saturate the color by 10%, you get **18.0240, 0.2746, 0.1292**, and if you desaturate by 10%, it is **21.6644, 0.2845, 0.1472**.

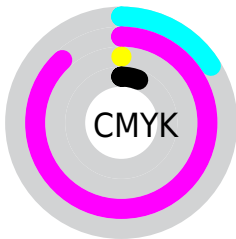
Distribution



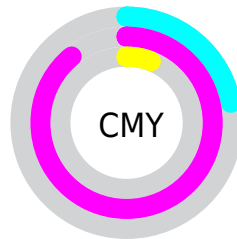
- Red (78%)
- Green (11%)
- Blue (94%)



- Red (78%)
- Yellow (11%)
- Blue (94%)



- Cyan (16%)
- Magenta (88%)
- Yellow (0%)
- Black (6%)





- Cyan (22%)
- Magenta (89%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3901, 0.2795, 0.1360 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 19.3901, 0.2795, 0.1360 by changing the saturation by 10% instead.


 19.3901, 0.2795,
0.1360


 19.3901, 0.2795,
0.1360


248.5939, 0.3029,
0.2237


 11.9525, 0.2720,
0.1178


 42.3922, 0.2893,
0.1653


 6.7113, 0.2617,
0.0967


 58.7256, 0.2927,
0.1771

 3.2822, 0.2471,
0.0726


 78.7929, 0.2953,
0.1873

 1.2808, 0.2258,
0.0463

 102.9787, 0.2975,
0.1964

 0.1263, 0.1963,
0.0082

 131.6673, 0.2992,
0.2044

 0.0000, 0.1466,
0.0000

165.2431, 0.3007,

 0.0000, 0.0256,

0.2116

0.0000

204.0905, 0.3019,
0.2179

■ 0.0000, 0.0000,
0.0000

■ 19.3901, 0.2795,
0.1360

■ 19.3901, 0.2795,
0.1360

■ 18.0240, 0.2746,
0.1292

■ 21.6644, 0.2845,
0.1472

■ 17.7930, 0.2736,
0.1281

■ 25.0396, 0.2894,
0.1629

■ 29.6594, 0.2941,
0.1827

■ 35.6447, 0.2985,
0.2058

■ 43.1024, 0.3025,
0.2310

■ 52.1283, 0.3059,
0.2573

■ 62.8102, 0.3088,
0.2837

■ 75.2294, 0.3112,
0.3095

■ 89.4618, 0.3131,
0.3340

Harmonies

Analogous

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



19.3901, 0.1472, 0.1052



19.3901, 0.2795, 0.1360



19.3901, 0.4848, 0.1984

Triad

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



19.3901, 0.2795, 0.1360



19.3901, 0.5271, 0.4729



19.3901, 0.0675, 0.2558

Complementary

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



19.3901, 0.2795, 0.1360



63.0695, 0.3096, 0.5834

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.



19.3901, 0.1226, 0.5156



19.3901, 0.2795, 0.1360



19.3901, 0.3786, 0.6214

Square

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



19.3901, 0.2795, 0.1360



19.3901, 0.6373, 0.3584



19.3901, 0.2371, 0.7061



19.3901, 0.0606, 0.1409

Rectangle

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



19.3901, 0.2795, 0.1360



19.3901, 0.6050, 0.2496



19.3901, 0.2371, 0.7061



19.3901, 0.0788, 0.3259

Sweetspot

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



19.3909, 0.2795, 0.1360



62.4866, 0.3064, 0.2622



10.9887, 0.1635, 0.0980



12.5255, 0.3053, 0.2530



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.



19.3909, 0.2795, 0.1360



20.5822, 0.2734, 0.1280



22.3646, 0.4014, 0.2046



15.8745, 0.3108, 0.3055



9.8828, 0.2744, 0.1285



0.8601, 0.2808, 0.1321

Inverse Universe

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



19.6463, 0.5793, 0.3069



21.4679, 0.6151, 0.3162



62.7874, 0.2858, 0.5386



15.8068, 0.3264, 0.3246



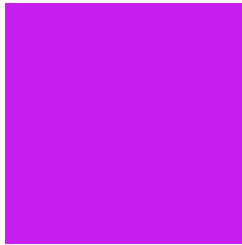
10.2570, 0.6111, 0.3140



0.8665, 0.5766, 0.2950

Previews

White Background



This preview shows how the Yxy color 19.3901, 0.2795, 0.1360 looks on a white background.

Color Contrast Check

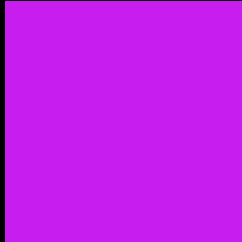
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3901, 0.2795, 0.1360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

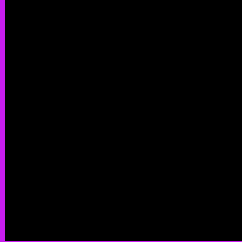
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3901, 0.2795, 0.1360

Background



This preview shows how black text looks on a background with the Yxy color 19.3901, 0.2795, 0.1360.



This preview shows how white text looks on a background with the Yxy color 19.3901, 0.2795, 0.1360.

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

19.3901, 0.2795, 0.1360

Protanopia

19.7964, 0.1739, 0.1460

Deuteranopia

19.8345, 0.1832, 0.1794



Tritanopia

19.2901, 0.4292, 0.3194

Trichromacy



Original Color

19.3901, 0.2795, 0.1360



Protanomaly

14.6646, 0.1801, 0.1171



Deuteranomaly

14.2748, 0.1861, 0.1311



Tritanomaly

17.7205, 0.3700, 0.2263

Monochromacy



Original Color

19.3901, 0.2795, 0.1360



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

13.0966, 0.2986, 0.2052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3901, 0.2795, 0.1360 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(200, 29, 239)` looks like.

```
.text, #text, p{  
    color:rgb(200, 29, 239)  
}
```

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(200, 29, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 29, 239) }
```

Border

The CSS property to change the border of an element to Yxy 19.3901, 0.2795, 0.1360 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(200, 29, 239) }
```

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

```
.border{ border-color:rgb(200, 29, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 29, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 29, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 29, 239);  
box-shadow:4px 4px 4px 4px rgb(200, 29,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3901, 0.2795, 0.1360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 29, 239) }
```

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

```
.background{ background-color: rgb(200, 29,  
239) }
```

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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