

Converting Colors

$Y_{xy}(19.0104, 0.2812, 0.1434)$

Have a look what the booklet for
Yxy(19.0104, 0.2812, 0.1434)
contains.

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Color

Yxy(19.0046, 0.2805, 0.1431)

Conversions

Conversions Part 1

Format	Color
Hex	C12EE6
RGB	193, 46, 230
RGB Percent	76%, 18%, 90%
CMY	0.2431, 0.8196, 0.0981
CMYK	0.16, 0.80, 0.00, 0.10
HSL	288°, 79%, 54%
HSV	288°, 80%, 90%
XYZ	37.2522, 19.0046, 76.5496
YIQ	110.9290, 28.5480, 88.3880

Conversions

Conversions Part 2

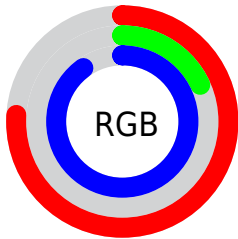
Format	Color
R _Y B	193, 46, 230
Decimal	12660454
CIE _{Lab}	50.69, 78.44, -62.85
CIE _{LCh}	51, 100.516, 321.297
Y _{xy}	19.0046, 0.2805, 0.1431
Android (android.graphics.Color)	4290850534 (0xFFC12EE6)
Y _{UV}	110.9290, 58.7020, 71.9763
Hunter-Lab	43.5943, 76.2420, -73.5947

Details

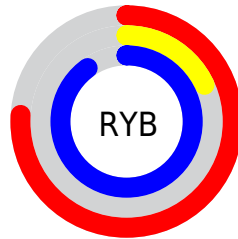
The Yxy color **19.0046, 0.2805, 0.1431** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **58.6145, 0.3136, 0.5682**, and the grayscale version is **15.6960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2545, 0.3172, 0.1941**, and **8.0855, 0.2647, 0.1232** is the 20% darker color. If you saturate the color by 10%, you get **17.0665, 0.2751, 0.1325**, and if you desaturate by 10%, it is **21.9241, 0.2859, 0.1583**.

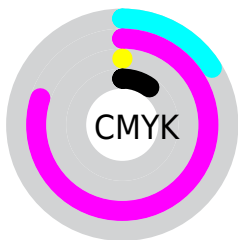
Distribution



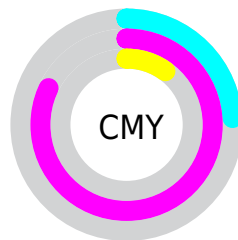
- Red (76%)
- Green (18%)
- Blue (90%)



- Red (76%)
- Yellow (18%)
- Blue (90%)



- Cyan (16%)
- Magenta (80%)
- Yellow (0%)
- Black (10%)




- Cyan (24%)
- Magenta (82%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0046, 0.2805, 0.1431 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 19.0046, 0.2805, 0.1431 by changing the saturation by 10% instead.


 19.0046, 0.2805,
0.1431


 19.0046, 0.2805,
0.1431


246.4742, 0.3031,
0.2293


 11.6736, 0.2732,
0.1247


 41.7419, 0.2900,
0.1723


 6.5218, 0.2630,
0.1031


 57.9169, 0.2932,
0.1839


 3.1649, 0.2484,
0.0781


 77.8088, 0.2958,
0.1940

 1.2184, 0.2268,
0.0502

 101.8019, 0.2978,
0.2029

 0.0767, 0.1969,
0.0058

 130.2806, 0.2995,
0.2107

 0.0000, 0.1435,
0.0000

163.6292, 0.3009,

 0.0000, 0.0000,

0.2176

0.0000

202.2323, 0.3021,
0.2238

■ 19.0046, 0.2805,
0.1431

■ 19.0046, 0.2805,
0.1431

■ 17.0665, 0.2751,
0.1325

■ 21.9241, 0.2859,
0.1583

■ 15.8747, 0.2698,
0.1260

■ 25.9575, 0.2911,
0.1777

■ 15.8745, 0.2698,
0.1260

■ 31.2190, 0.2960,
0.2004

■ 37.8081, 0.3004,
0.2255

■ 45.8137, 0.3043,
0.2518

■ 55.3172, 0.3077,
0.2783

■ 66.3937, 0.3104,
0.3042

■ 79.1132, 0.3127,
0.3290

■ 93.5416, 0.3145,
0.3522

Harmonies

Analogous

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



19.0046, 0.1535, 0.1128



19.0046, 0.2805, 0.1431



19.0046, 0.4730, 0.2042

Triad

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



19.0046, 0.2805, 0.1431



19.0046, 0.5259, 0.4741



19.0046, 0.0770, 0.2645

Complementary

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



19.0046, 0.2805, 0.1431



58.6145, 0.3136, 0.5682

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.



19.0046, 0.1347, 0.5056



19.0046, 0.2805, 0.1431



19.0046, 0.3874, 0.6126

Square

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



19.0046, 0.2805, 0.1431



19.0046, 0.6248, 0.3632



19.0046, 0.2491, 0.6817



19.0046, 0.0683, 0.1507

Rectangle

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



19.0046, 0.2805, 0.1431



19.0046, 0.5869, 0.2550



19.0046, 0.2491, 0.6817



19.0046, 0.0893, 0.3312

Sweetspot

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



19.0054, 0.2805, 0.1431



64.7169, 0.3064, 0.2674



12.9260, 0.1734, 0.1197



12.9448, 0.3051, 0.2578



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.



19.0054, 0.2805, 0.1431



20.5378, 0.2716, 0.1281



21.9812, 0.3865, 0.2041



14.4613, 0.3106, 0.3056



9.0421, 0.2706, 0.1265



0.7054, 0.2784, 0.1307

Inverse Universe

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



19.3968, 0.5441, 0.3001



21.8011, 0.6011, 0.3109



58.0452, 0.2855, 0.5239



14.4151, 0.3261, 0.3243



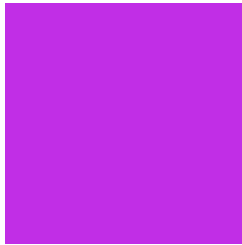
9.6507, 0.6067, 0.3116



0.7263, 0.5669, 0.2897

Previews

White Background



This preview shows how the Yxy color 19.0046, 0.2805, 0.1431 looks on a white background.

Color Contrast Check

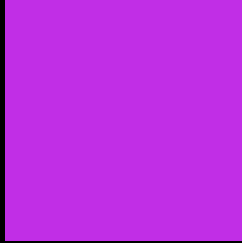
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0046, 0.2805, 0.1431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

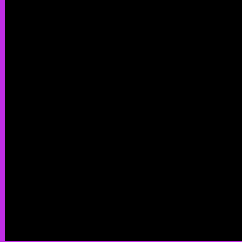
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0046, 0.2805, 0.1431

Background



This preview shows how black text looks on a background with the Yxy color 19.0046, 0.2805, 0.1431.



This preview shows how white text looks on a background with the Yxy color 19.0046, 0.2805, 0.1431.

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

19.0046, 0.2805, 0.1431

Protanopia

19.4380, 0.1739, 0.1460

Deuteranopia

19.3565, 0.1845, 0.1786



Tritanopia

18.9854, 0.4170, 0.3189

Trichromacy



Original Color

19.0046, 0.2805, 0.1431



Protanomaly

15.1351, 0.1811, 0.1238



Deuteranomaly

15.2522, 0.1940, 0.1426



Tritanomaly

17.7391, 0.3623, 0.2329

Monochromacy



Original Color

19.0046, 0.2805, 0.1431



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

14.8122, 0.3001, 0.2198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0046, 0.2805, 0.1431 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(193, 46, 230)` looks like.

```
.text, #text, p{  
    color:rgb(193, 46, 230)  
}
```

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(193, 46, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 46, 230) }
```

Border

The CSS property to change the border of an element to Yxy 19.0046, 0.2805, 0.1431 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(193, 46, 230) }
```

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

```
.border{ border-color:rgb(193, 46, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 46, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 46, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 46, 230);  
box-shadow:4px 4px 4px 4px rgb(193, 46,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0046, 0.2805, 0.1431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 46, 230) }
```

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

```
.background{ background-color: rgb(193, 46,  
230) }
```

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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