

Converting Colors

$Y_{xy}(18.0431, 0.2833, 0.1380)$

Have a look what the booklet for
Yxy(18.0431, 0.2833, 0.1380)
contains.

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Color

Yxy(18.0431, 0.2833, 0.1380)

Conversions

Conversions Part 1

Format	Color
Hex	C31BE5
RGB	195, 27, 229
RGB Percent	76%, 11%, 90%
CMY	0.2353, 0.8941, 0.1019
CMYK	0.15, 0.88, 0.00, 0.10
HSL	290°, 80%, 50%
HSV	290°, 88%, 90%
XYZ	37.0407, 18.0431, 75.6633
YIQ	100.2600, 35.2860, 98.4380

Conversions

Conversions Part 2

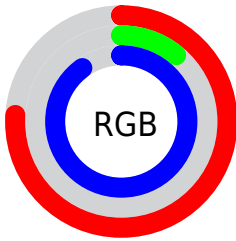
Format	Color
R_{YB}	195, 27, 229
Decimal	12786661
CIE _{Lab}	49.55, 82.68, -64.13
CIE _{LCh}	50, 104.639, 322.200
Yxy	18.0431, 0.2833, 0.1380
Android (android.graphics.Color)	4290976741 (0xFFC31BE5)
YUV	100.2600, 63.4688, 83.0870
Hunter-Lab	42.4772, 81.3193, -75.8775

Details

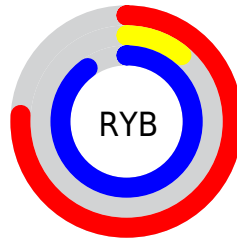
The Yxy color **18.0431, 0.2833, 0.1380** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **57.1138, 0.3084, 0.5844**, and the grayscale version is **12.6437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **8.2128, 0.2687, 0.1254** is the 20% darker color. If you saturate the color by 10%, you get **16.8418, 0.2789, 0.1315**, and if you desaturate by 10%, it is **20.0533, 0.2878, 0.1488**.

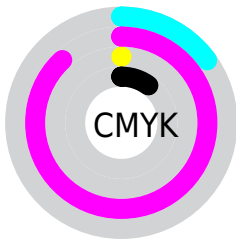
Distribution



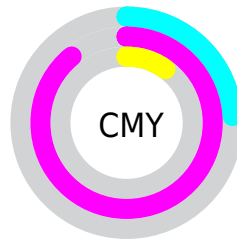
- Red (76%)
- Green (11%)
- Blue (90%)



- Red (76%)
- Yellow (11%)
- Blue (90%)



- Cyan (15%)
- Magenta (88%)
- Yellow (0%)
- Black (10%)




- Cyan (24%)
- Magenta (89%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0431, 0.2833, 0.1380 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 18.0431, 0.2833, 0.1380 by changing the saturation by 10% instead.


 18.0431, 0.2833,
0.1380


 18.0431, 0.2833,
0.1380


241.1139, 0.3049,
0.2263


 10.9809, 0.2761,
0.1193


 40.1108, 0.2926,
0.1678


 6.0540, 0.2660,
0.0975


 55.8850, 0.2957,
0.1797

 2.8780, 0.2514,
0.0725


 75.3321, 0.2981,
0.1900

 1.0684, 0.2295,
0.0450

 98.8365, 0.3000,
0.1991

 0.0000, 0.1995,
0.0000

 126.7824, 0.3016,
0.2071

 0.0000, 0.1446,
0.0000

 159.5544, 0.3029,

 0.0000, 0.0000,

0.2142

0.0000

197.5367, 0.3040,
0.2206

■ 18.0431, 0.2833,
0.1380

■ 18.0431, 0.2833,
0.1380

■ 16.8418, 0.2789,
0.1315

■ 20.0533, 0.2878,
0.1488

■ 16.6630, 0.2781,
0.1306

■ 23.0536, 0.2922,
0.1640

■ 27.1735, 0.2964,
0.1834

■ 32.5224, 0.3003,
0.2061

■ 39.1964, 0.3037,
0.2309

■ 47.2821, 0.3068,
0.2570

■ 56.8588, 0.3093,
0.2832

■ 67.9997, 0.3113,
0.3088

■ 80.7732, 0.3130,
0.3333

Harmonies

Analogous

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



18.0431, 0.1500, 0.1066



18.0431, 0.2833, 0.1380



18.0431, 0.4874, 0.2008

Triad

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



18.0431, 0.2833, 0.1380



18.0431, 0.5241, 0.4759



18.0431, 0.0683, 0.2533

Complementary

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



18.0431, 0.2833, 0.1380



57.1138, 0.3084, 0.5844

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.



18.0431, 0.1225, 0.5079



18.0431, 0.2833, 0.1380



18.0431, 0.3768, 0.6232

Square

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



18.0431, 0.2833, 0.1380



18.0431, 0.6347, 0.3615



18.0431, 0.2362, 0.7020



18.0431, 0.0619, 0.1410

Rectangle

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



18.0431, 0.2833, 0.1380



18.0431, 0.6052, 0.2520



18.0431, 0.2362, 0.7020



18.0431, 0.0794, 0.3218

Sweetspot

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



18.0438, 0.2833, 0.1380



62.6904, 0.3073, 0.2623



9.5621, 0.1625, 0.0946



12.5745, 0.3064, 0.2532



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.



18.0438, 0.2833, 0.1380



21.2276, 0.2778, 0.1304



20.1614, 0.4069, 0.2077



14.4860, 0.3111, 0.3057



9.5724, 0.2788, 0.1309



0.7400, 0.2853, 0.1345

Inverse Universe

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



17.7804, 0.5844, 0.3097



21.4339, 0.6190, 0.3184



57.0301, 0.2846, 0.5345



14.4074, 0.3266, 0.3251



9.6182, 0.6148, 0.3161



0.7226, 0.5773, 0.2954

Previews

White Background



This preview shows how the Yxy color 18.0431, 0.2833, 0.1380 looks on a white background.

Color Contrast Check

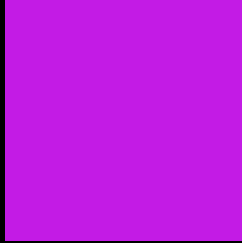
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.0431, 0.2833, 0.1380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

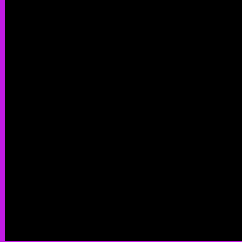
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0431, 0.2833, 0.1380

Background



This preview shows how black text looks on a background with the Yxy color 18.0431, 0.2833, 0.1380.



This preview shows how white text looks on a background with the Yxy color 18.0431, 0.2833, 0.1380.

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

18.0431, 0.2833, 0.1380

Protanopia

18.3855, 0.1739, 0.1460

Tritanopia

18.0201, 0.4329, 0.3192

Trichromacy



Original Color

18.0431, 0.2833, 0.1380



Protanomaly

13.4886, 0.1802, 0.1163



Tritanomaly

16.3999, 0.3735, 0.2266

Monochromacy



Original Color

18.0431, 0.2833, 0.1380



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.0226, 0.3007, 0.2050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0431, 0.2833, 0.1380 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(195, 27, 229)` looks like.

```
.text, #text, p{  
    color:rgb(195, 27, 229)  
}
```

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(195, 27, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 27, 229) }
```

Border

The CSS property to change the border of an element to Yxy 18.0431, 0.2833, 0.1380 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(195, 27, 229) }
```

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

```
.border{ border-color:rgb(195, 27, 229) }
```

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

Here you see how a box with a 4 pixel rgb(195, 27, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 27, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 27, 229);  
box-shadow:4px 4px 4px 4px rgb(195, 27,  
229) }
```

Background

The CSS property to change the background color of an element to Yxy 18.0431, 0.2833, 0.1380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 27, 229) }
```

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

```
.background{ background-color: rgb(195, 27,  
229) }
```

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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