

Converting Colors

$Y_{xy}(17.1180, 0.2678, 0.1271)$

Have a look what the booklet for
Yxy(17.1180, 0.2678, 0.1271)
contains.

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Color

Yxy(17.0801, 0.2673, 0.1269)

Conversions

Conversions Part 1

Format	Color
Hex	BB11ED
RGB	187, 17, 237
RGB Percent	73%, 7%, 93%
CMY	0.2668, 0.9330, 0.0705
CMYK	0.21, 0.93, 0.00, 0.07
HSL	286°, 87%, 50%
HSV	286°, 93%, 93%
XYZ	35.9772, 17.0801, 81.5376
YIQ	92.9100, 30.7000, 104.4600

Conversions

Conversions Part 2

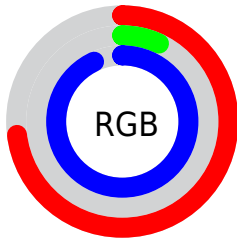
Format	Color
RYB	187, 17, 237
Decimal	12259821
CIELab	48.36, 84.27, -70.65
CIELCh	48, 109.969, 320.023
Yxy	17.0801, 0.2673, 0.1269
Android (android.graphics.Color)	4290449901 (0xFFBB11ED)
YUV	92.9100, 71.0364, 82.5169
Hunter-Lab	41.3281, 83.0650, -88.0457

Details

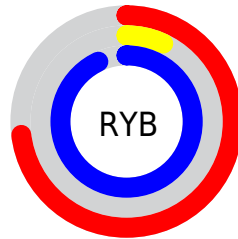
The Yxy color **17.0801, 0.2673, 0.1269** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **61.8197, 0.3108, 0.5872**, and the grayscale version is **10.7620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5422, 0.3129, 0.1825**, and **7.8073, 0.2477, 0.1138** is the 20% darker color. If you saturate the color by 10%, you get **16.1934, 0.2630, 0.1223**, and if you desaturate by 10%, it is **18.9415, 0.2734, 0.1366**.

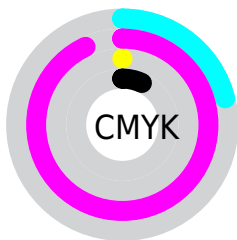
Distribution



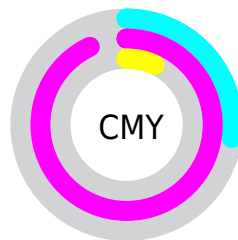
- Red (73%)
- Green (7%)
- Blue (93%)



- Red (73%)
- Yellow (7%)
- Blue (93%)



- Cyan (21%)
- Magenta (93%)
- Yellow (0%)
- Black (7%)





- Cyan (27%)
- Magenta (93%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0801, 0.2673, 0.1269 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 17.0801, 0.2673, 0.1269 by changing the saturation by 10% instead.

 17.0801, 0.2673,
0.1269


 17.0801, 0.2673,
0.1269


235.6335, 0.2977,
0.2190


 10.2916, 0.2579,
0.1080


 38.4634, 0.2798,
0.1575


 5.5927, 0.2452,
0.0862


 53.8271, 0.2841,
0.1699

 2.5991, 0.2273,
0.0619


 72.8179, 0.2876,
0.1808

 0.9262, 0.2019,
0.0363

 95.8203, 0.2904,
0.1903

 0.0000, 0.1673,
0.0000

 123.2187, 0.2927,
0.1987

 0.0000, 0.1135,
0.0000

 155.3974, 0.2947,

 0.0000, 0.0000,

0.2063

0.0000

192.7409, 0.2963,
0.2130

■ 17.0801, 0.2673,
0.1269

■ 17.0801, 0.2673,
0.1269

■ 16.1934, 0.2630,
0.1223

■ 18.9415, 0.2734,
0.1366

■ 21.8114, 0.2796,
0.1510

■ 25.8452, 0.2857,
0.1699

■ 31.1705, 0.2915,
0.1923

■ 37.8983, 0.2968,
0.2173

■ 46.1275, 0.3015,
0.2438

■ 55.9476, 0.3056,
0.2706

■ 67.4415, 0.3091,
0.2970

■ 80.6861, 0.3120,
0.3222

Harmonies

Analogous

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



17.0801, 0.1361, 0.0977



17.0801, 0.2673, 0.1269



17.0801, 0.4815, 0.1885

Triad

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



17.0801, 0.2673, 0.1269



17.0801, 0.5370, 0.4630



17.0801, 0.0610, 0.2597

Complementary

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



17.0801, 0.2673, 0.1269



61.8197, 0.3108, 0.5872

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.



17.0801, 0.1174, 0.5452



17.0801, 0.2673, 0.1269



17.0801, 0.3803, 0.6197

Square

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



17.0801, 0.2673, 0.1269



17.0801, 0.6525, 0.3475



17.0801, 0.2337, 0.7284



17.0801, 0.0537, 0.1365

Rectangle

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



17.0801, 0.2673, 0.1269



17.0801, 0.6124, 0.2397



17.0801, 0.2337, 0.7284



17.0801, 0.0725, 0.3367

Sweetspot

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



17.0808, 0.2673, 0.1269



59.6427, 0.3035, 0.2564



10.4191, 0.1612, 0.0954



11.7354, 0.3017, 0.2447



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.



17.0808, 0.2673, 0.1269



19.0866, 0.2628, 0.1221



21.6412, 0.3962, 0.1984



15.1309, 0.3102, 0.3055



8.9007, 0.2640, 0.1228



0.7411, 0.2722, 0.1273

Inverse Universe

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



18.8187, 0.5828, 0.3034



21.5658, 0.6042, 0.3102



61.2190, 0.2893, 0.5567



15.1102, 0.3257, 0.3237



9.9913, 0.5995, 0.3076



0.7989, 0.5610, 0.2864

Previews

White Background



This preview shows how the Yxy color 17.0801, 0.2673, 0.1269 looks on a white background.

Color Contrast Check

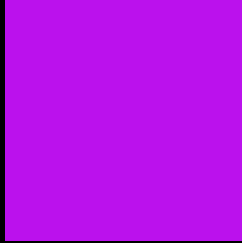
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0801, 0.2673, 0.1269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

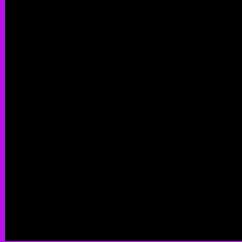
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0801, 0.2673, 0.1269

Background



This preview shows how black text looks on a background with the Yxy color 17.0801, 0.2673, 0.1269.



This preview shows how white text looks on a background with the Yxy color 17.0801, 0.2673, 0.1269.

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

17.0801, 0.2673, 0.1269

Protanopia

17.5865, 0.1743, 0.1474

Deuteranopia

17.4131, 0.1838, 0.1817



Tritanopia

17.1605, 0.4135, 0.3184

Trichromacy



Original Color

17.0801, 0.2673, 0.1269



Protanomaly

12.5928, 0.1778, 0.1110



Deuteranomaly

12.1236, 0.1840, 0.1250



Tritanomaly

15.0971, 0.3535, 0.2143

Monochromacy



Original Color

17.0801, 0.2673, 0.1269



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.3370, 0.2915, 0.1913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0801, 0.2673, 0.1269 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(187, 17, 237)` looks like.

```
.text, #text, p{  
    color:rgb(187, 17, 237)  
}
```

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(187, 17, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 17, 237) }
```

Border

The CSS property to change the border of an element to Yxy 17.0801, 0.2673, 0.1269 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(187, 17, 237) }
```

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

```
.border{ border-color:rgb(187, 17, 237) }
```

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

Here you see how a box with a 4 pixel rgb(187, 17, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 17, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 17, 237);  
box-shadow:4px 4px 4px 4px rgb(187, 17,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0801, 0.2673, 0.1269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 17, 237) }
```

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

```
.background{ background-color: rgb(187, 17,  
237) }
```

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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