

Converting Colors

$Y_{xy}(19.2552, 0.2838, 0.1359)$

Have a look what the booklet for
Yxy(19.2552, 0.2838, 0.1359)
contains.

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Color

Yxy(19.2705, 0.2835, 0.1357)

Conversions

Conversions Part 1

Format	Color
Hex	CB11EE
RGB	203, 17, 238
RGB Percent	80%, 7%, 93%
CMY	0.2039, 0.9331, 0.0667
CMYK	0.15, 0.93, 0.00, 0.07
HSL	290°, 87%, 50%
HSV	290°, 93%, 93%
XYZ	40.2593, 19.2705, 82.4783
YIQ	97.8080, 39.9150, 108.1630

Conversions

Conversions Part 2

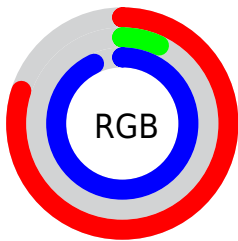
Format	Color
R _{YB}	203, 17, 238
Decimal	13308398
CIE _{Lab}	51.00, 86.70, -66.79
CIE _{LCh}	51, 109.446, 322.389
Y _{xy}	19.2705, 0.2835, 0.1357
Android (android.graphics.Color)	4291498478 (0xFFFCB11EE)
YUV	97.8080, 69.1147, 92.2534
Hunter-Lab	43.8982, 86.8817, -80.6686

Details

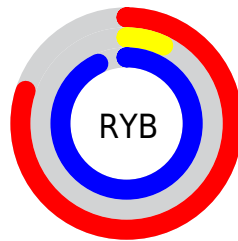
The Yxy color **19.2705, 0.2835, 0.1357** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **61.9152, 0.3062, 0.5908**, and the grayscale version is **11.9912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4037, 0.3194, 0.1874**, and **9.1758, 0.2683, 0.1252** is the 20% darker color. If you saturate the color by 10%, you get **18.4924, 0.2805, 0.1319**, and if you desaturate by 10%, it is **20.9804, 0.2877, 0.1441**.

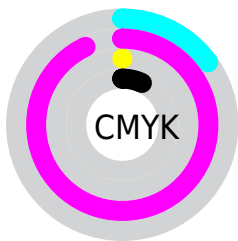
Distribution



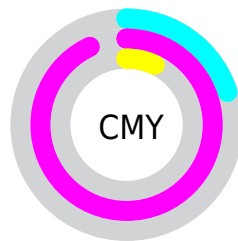
- Red (80%)
- Green (7%)
- Blue (93%)



- Red (80%)
- Yellow (7%)
- Blue (93%)



- Cyan (15%)
- Magenta (93%)
- Yellow (0%)
- Black (7%)





- Cyan (20%)
- Magenta (93%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2705, 0.2835, 0.1357 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 19.2705, 0.2835, 0.1357 by changing the saturation by 10% instead.


 19.2705, 0.2835,
0.1357


 19.2705, 0.2835,
0.1357


247.9380, 0.3050,
0.2235


 11.8659, 0.2765,
0.1175


 42.1907, 0.2927,
0.1650

 6.6524, 0.2667,
0.0964


 58.4751, 0.2957,
0.1768

 3.2457, 0.2527,
0.0723


 78.4881, 0.2981,
0.1871

 1.2613, 0.2320,
0.0459

 102.6143, 0.3001,
0.1962

 0.1109, 0.2034,
0.0072

 131.2380, 0.3017,
0.2042

 0.0000, 0.1539,
0.0000

 164.7436, 0.3030,

 0.0000, 0.0356,

0.2113

0.0000

203.5155, 0.3040,
0.2177

■ 0.0000, 0.0000,
0.0000

■ 19.2705, 0.2835,
0.1357

■ 19.2705, 0.2835,
0.1357

■ 18.4924, 0.2805,
0.1319

■ 20.9804, 0.2877,
0.1441

■ 23.6945, 0.2919,
0.1571

■ 27.5695, 0.2959,
0.1744

■ 32.7347, 0.2997,
0.1955

■ 39.3017, 0.3031,
0.2193

■ 47.3704, 0.3061,
0.2448

■ 57.0312, 0.3086,
0.2710

■ 68.3675, 0.3107,
0.2970

■ 81.4569, 0.3123,
0.3221

Harmonies

Analogous

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



19.2705, 0.1482, 0.1040



19.2705, 0.2835, 0.1357



19.2705, 0.4922, 0.1989

Triad

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



19.2705, 0.2835, 0.1357



19.2705, 0.5240, 0.4760



19.2705, 0.0651, 0.2497

Complementary

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



19.2705, 0.2835, 0.1357



61.9152, 0.3062, 0.5908

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.



19.2705, 0.1181, 0.5103



19.2705, 0.2835, 0.1357



19.2705, 0.3732, 0.6268

Square

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



19.2705, 0.2835, 0.1357



19.2705, 0.6385, 0.3599



19.2705, 0.2314, 0.7105



19.2705, 0.0594, 0.1375

Rectangle

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



19.2705, 0.2835, 0.1357



19.2705, 0.6119, 0.2503



19.2705, 0.2314, 0.7105



19.2705, 0.0758, 0.3190

Sweetspot

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



19.2713, 0.2835, 0.1357



60.5129, 0.3073, 0.2572



8.9196, 0.1578, 0.0829



11.9479, 0.3062, 0.2458



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.



19.2713, 0.2835, 0.1357



21.6081, 0.2804, 0.1318



21.2711, 0.4193, 0.2114



15.8973, 0.3113, 0.3056



10.3650, 0.2812, 0.1323



0.8959, 0.2867, 0.1353

Inverse Universe

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



18.8266, 0.6024, 0.3143



21.4159, 0.6211, 0.3195



62.0130, 0.2847, 0.5403



15.7997, 0.3268, 0.3253



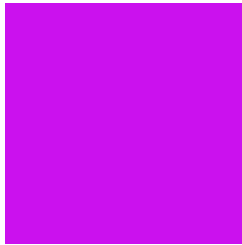
10.2301, 0.6175, 0.3175



0.8631, 0.5849, 0.2996

Previews

White Background



This preview shows how the Yxy color 19.2705, 0.2835, 0.1357 looks on a white background.

Color Contrast Check

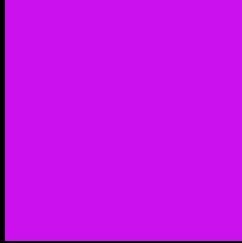
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2705, 0.2835, 0.1357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

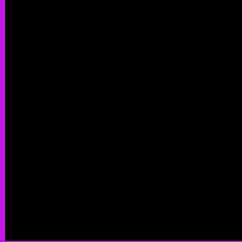
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2705, 0.2835, 0.1357

Background



This preview shows how black text looks on a background with the Yxy color 19.2705, 0.2835, 0.1357.



This preview shows how white text looks on a background with the Yxy color 19.2705, 0.2835, 0.1357.

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

19.2705, 0.2835, 0.1357

Protanopia

19.7964, 0.1739, 0.1460

Deuteranopia

19.8345, 0.1832, 0.1794



Tritanopia

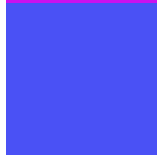
19.2593, 0.4374, 0.3196

Trichromacy



Original Color

19.2705, 0.2835, 0.1357



Protanomaly

13.9333, 0.1793, 0.1123



Deuteranomaly

13.6575, 0.1855, 0.1265



Tritanomaly

17.3373, 0.3768, 0.2232

Monochromacy



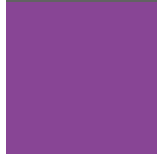
Original Color

19.2705, 0.2835, 0.1357



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.6604, 0.2995, 0.1972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2705, 0.2835, 0.1357 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(203, 17, 238)` looks like.

```
.text, #text, p{  
    color:rgb(203, 17, 238)  
}
```

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(203, 17, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 17, 238) }
```

Border

The CSS property to change the border of an element to Yxy 19.2705, 0.2835, 0.1357 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(203, 17, 238) }
```

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

```
.border{ border-color:rgb(203, 17, 238) }
```

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

Here you see how a box with a 4 pixel rgb(203, 17, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 17, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 17, 238);  
box-shadow:4px 4px 4px 4px rgb(203, 17,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2705, 0.2835, 0.1357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 17, 238) }
```

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

```
.background{ background-color: rgb(203, 17,  
238) }
```

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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