

Converting Colors

$Y_{xy}(19.1569, 0.3006, 0.1467)$

Have a look what the booklet for
Yxy(19.1569, 0.3006, 0.1467)
contains.

Yxy(19.1569, 0.3006, 0.1467)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.1569, 0.3006, 0.1467)

Conversions

Conversions Part 1

Format	Color
Hex	CE18E0
RGB	206, 24, 224
RGB Percent	81%, 9%, 88%
CMY	0.1919, 0.9070, 0.1214
CMYK	0.08, 0.89, 0.00, 0.12
HSL	295°, 81%, 49%
HSV	295°, 89%, 88%
XYZ	39.2540, 19.1569, 72.1746
YIQ	101.2180, 44.2720, 100.7840

Conversions

Conversions Part 2

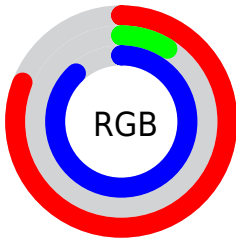
Format	Color
R _{YB}	206, 24, 224
Decimal	13506784
CIE Lab	50.87, 84.12, -59.09
CIE LCh	51, 102.797, 324.913
Yxy	19.1569, 0.3006, 0.1467
Android (android.graphics.Color)	4291696864 (0xFFCE18E0)
YUV	101.2180, 60.5315, 91.8938
Hunter-Lab	43.7686, 83.4933, -67.1315

Details

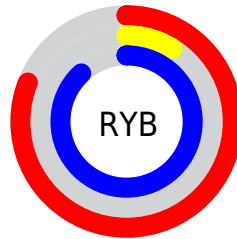
The Yxy color **19.1569, 0.3006, 0.1467** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **53.8803, 0.3037, 0.5893**, and the grayscale version is **12.8657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7874, 0.3193, 0.1887**, and **9.0302, 0.2898, 0.1370** is the 20% darker color. If you saturate the color by 10%, you get **18.2590, 0.2983, 0.1419**, and if you desaturate by 10%, it is **20.7685, 0.3028, 0.1554**.

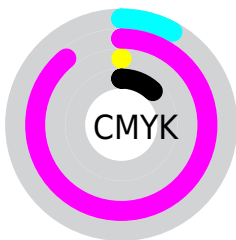
Distribution



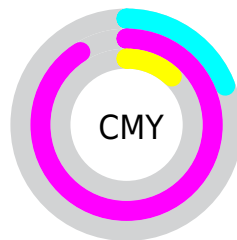
- Red (81%)
- Green (9%)
- Blue (88%)



- Red (81%)
- Yellow (9%)
- Blue (88%)



- Cyan (8%)
- Magenta (89%)
- Yellow (0%)
- Black (12%)





- Cyan (19%)
- Magenta (91%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1569, 0.3006, 0.1467 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 19.1569, 0.3006, 0.1467 by changing the saturation by 10% instead.


 19.1569, 0.3006,
0.1467


 19.1569, 0.3006,
0.1467


247.3136, 0.3127,
0.2314


 11.7837, 0.2958,
0.1285


 41.9991, 0.3063,
0.1755


 6.5966, 0.2888,
0.1070


 58.2368, 0.3081,
0.1869

 3.2111, 0.2782,
0.0818


 78.1982, 0.3094,
0.1968

 1.2429, 0.2612,
0.0534

 102.2676, 0.3105,
0.2055

 0.0963, 0.2373,
0.0078

 130.8295, 0.3112,
0.2132

 0.0000, 0.1872,
0.0000

 164.2682, 0.3118,

 0.0000, 0.0189,

0.2200

0.0000

202.9681, 0.3123,
0.2260

■ 0.0000, 0.0000,
0.0000

■ 19.1569, 0.3006,
0.1467

■ 19.1569, 0.3006,
0.1467

■ 18.2590, 0.2983,
0.1419

■ 20.7685, 0.3028,
0.1554

■ 18.2143, 0.2982,
0.1416

■ 23.2957, 0.3049,
0.1685

■ 26.8638, 0.3068,
0.1857

■ 31.5783, 0.3085,
0.2065

■ 37.5313, 0.3099,
0.2299

■ 44.8059, 0.3110,
0.2549

■ 53.4777, 0.3118,
0.2805

■ 63.6169, 0.3124,
0.3059

■ 75.2886, 0.3127,
0.3304

Harmonies

Analogous

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



19.1569, 0.1627, 0.1125



19.1569, 0.3006, 0.1467



19.1569, 0.4998, 0.2112

Triad

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



19.1569, 0.3006, 0.1467



19.1569, 0.5106, 0.4894



19.1569, 0.0713, 0.2422

Complementary

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



19.1569, 0.3006, 0.1467



53.8803, 0.3037, 0.5893

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.



19.1569, 0.1210, 0.4750



19.1569, 0.3006, 0.1467



19.1569, 0.3684, 0.6316

Square

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



19.1569, 0.3006, 0.1467



19.1569, 0.6214, 0.3737



19.1569, 0.2306, 0.6832



19.1569, 0.0672, 0.1406

Rectangle

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



19.1569, 0.3006, 0.1467



19.1569, 0.6067, 0.2625



19.1569, 0.2306, 0.6832



19.1569, 0.0813, 0.3039

Sweetspot

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



19.1577, 0.3006, 0.1467



62.5092, 0.3112, 0.2606



7.3563, 0.1578, 0.0789



12.5866, 0.3108, 0.2518



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.



19.1577, 0.3006, 0.1467



24.3993, 0.2980, 0.1415



18.5048, 0.4369, 0.2240



13.8699, 0.3124, 0.3058



10.6244, 0.2986, 0.1418



0.7550, 0.3022, 0.1438

Inverse Universe

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



16.6589, 0.6071, 0.3212



21.3213, 0.6324, 0.3258



54.5171, 0.2784, 0.5140



13.7204, 0.3278, 0.3269



9.2610, 0.6296, 0.3242



0.6489, 0.6030, 0.3095

Previews

White Background



This preview shows how the Yxy color 19.1569, 0.3006, 0.1467 looks on a white background.

Color Contrast Check

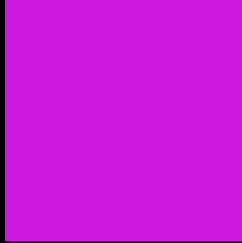
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1569, 0.3006, 0.1467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

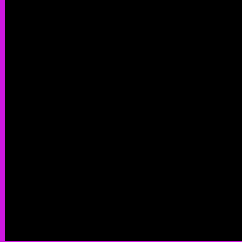
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1569, 0.3006, 0.1467

Background



This preview shows how black text looks on a background with the Yxy color 19.1569, 0.3006, 0.1467.



This preview shows how white text looks on a background with the Yxy color 19.1569, 0.3006, 0.1467.

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

19.1569, 0.3006, 0.1467

Protanopia

19.7964, 0.1739, 0.1460

Deuteranopia

19.5729, 0.1941, 0.1880



Tritanopia

19.2332, 0.4555, 0.3215

Trichromacy



Original Color

19.1569, 0.3006, 0.1467



Protanomaly

14.1278, 0.1818, 0.1178



Deuteranomaly

14.9001, 0.2114, 0.1440



Tritanomaly

17.6154, 0.3950, 0.2345

Monochromacy



Original Color

19.1569, 0.3006, 0.1467



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.3294, 0.3079, 0.2084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1569, 0.3006, 0.1467 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(206, 24, 224)` looks like.

```
.text, #text, p{  
    color:rgb(206, 24, 224)  
}
```

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(206, 24, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 24, 224) }
```

Border

The CSS property to change the border of an element to Yxy 19.1569, 0.3006, 0.1467 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(206, 24, 224) }
```

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

```
.border{ border-color:rgb(206, 24, 224) }
```

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

Here you see how a box with a 4 pixel rgb(206, 24, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 24, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 24, 224);  
box-shadow:4px 4px 4px 4px rgb(206, 24,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1569, 0.3006, 0.1467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 24, 224) }
```

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

```
.background{ background-color: rgb(206, 24,  
224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor