

Converting Colors

$Yxy(18.9820, 0.2926, 0.1386)$

Have a look what the booklet for
Yxy(18.9820, 0.2926, 0.1386)
contains.

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Color

Yxy(18.9480, 0.2924, 0.1384)

Conversions

Conversions Part 1

Format	Color
Hex	CE00E8
RGB	206, 0, 232
RGB Percent	81%, 0%, 91%
CMY	0.1920, 1.0000, 0.0900
CMYK	0.11, 1.00, 0.00, 0.09
HSL	293°, 100%, 45%
HSV	293°, 100%, 91%
XYZ	40.0318, 18.9480, 77.9278
YIQ	88.0420, 48.3040, 115.8240

Conversions

Conversions Part 2

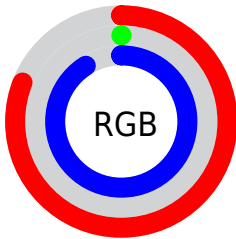
Format	Color
R_{YB}	206, 0, 232
Decimal	13500648
CIE _{Lab}	50.63, 87.61, -64.03
CIE _{LCh}	51, 108.513, 323.841
Yxy	18.9480, 0.2924, 0.1384
Android (android.graphics.Color)	4291690728 (0xFFCE00E8)
YUV	88.0420, 70.9713, 103.4492
Hunter-Lab	43.5293, 87.9814, -75.6726

Details

The Yxy color **18.9480, 0.2924, 0.1384** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **57.9607, 0.3023, 0.5981**, and the grayscale version is **9.6071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6644, 0.3195, 0.1848**, and **9.2061, 0.2795, 0.1313** is the 20% darker color. If you saturate the color by 10%, you get **18.9560, 0.2924, 0.1384**, and if you desaturate by 10%, it is **19.9525, 0.2953, 0.1434**.

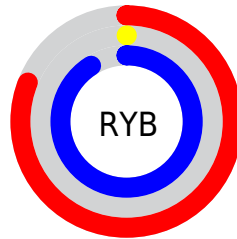
Distribution



Red (81%)

Green (0%)

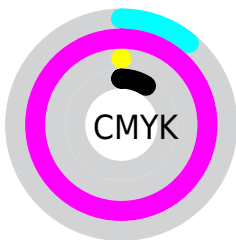
Blue (91%)



Red (81%)

Yellow (0%)

Blue (91%)

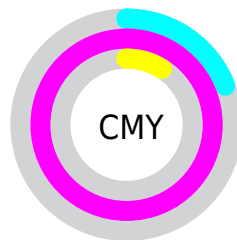


Cyan (11%)

Magenta (100%)

Yellow (0%)

Black (9%)



Cyan (19%)


Magenta (100%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9480, 0.2924, 0.1384 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 18.9480, 0.2924, 0.1384 by changing the saturation by 10% instead.


 18.9480, 0.2924,
0.1384


 18.9480, 0.2924,
0.1384


246.1615, 0.3092,
0.2256


 11.6327, 0.2864,
0.1201


 41.6462, 0.2999,
0.1677

 6.4941, 0.2779,
0.0988


 57.7979, 0.3024,
0.1794

 3.1478, 0.2654,
0.0743


 77.6639, 0.3042,
0.1896

 1.2094, 0.2463,
0.0473

 101.6285, 0.3057,
0.1986

 0.0693, 0.2198,
0.0050

 130.0762, 0.3069,
0.2066

 0.0000, 0.1694,
0.0000

 163.3914, 0.3078,

 0.0000, 0.0360,

0.2136

0.0000

201.9583, 0.3086,
0.2200

■ 0.0000, 0.0000,
0.0000

■ 18.9480, 0.2924,
0.1384

■ 18.9480, 0.2924,
0.1384

■ 18.9560, 0.2924,
0.1384

■ 19.9525, 0.2953,
0.1434

■ 21.6994, 0.2982,
0.1522

■ 24.4334, 0.3009,
0.1655

■ 28.2924, 0.3035,
0.1830

■ 33.3922, 0.3059,
0.2041

■ 39.8343, 0.3079,
0.2277

■ 47.7095, 0.3096,
0.2530

■ 57.1010, 0.3109,
0.2788

■ 68.0854, 0.3120,
0.3043

Harmonies

Analogous

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



18.9480, 0.1531, 0.1052



18.9480, 0.2924, 0.1384



18.9480, 0.5020, 0.2029

Triad

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



18.9480, 0.2924, 0.1384



18.9480, 0.5171, 0.4829



18.9480, 0.0643, 0.2416

Complementary

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



18.9480, 0.2924, 0.1384



57.9607, 0.3023, 0.5981

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.



18.9480, 0.1144, 0.4947



18.9480, 0.2924, 0.1384



18.9480, 0.3663, 0.6337

Square

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



18.9480, 0.2924, 0.1384



18.9480, 0.6348, 0.3652



18.9480, 0.2257, 0.7075



18.9480, 0.0602, 0.1350

Rectangle

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



18.9480, 0.2924, 0.1384



18.9480, 0.6173, 0.2543



18.9480, 0.2257, 0.7075



18.9480, 0.0743, 0.3079

Sweetspot

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



18.9560, 0.2924, 0.1384



58.9298, 0.3095, 0.2526



6.6162, 0.1520, 0.0672



11.6833, 0.3089, 0.2417



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.



18.9560, 0.2924, 0.1384



23.4558, 0.2923, 0.1384



19.1502, 0.4495, 0.2250



14.5289, 0.3120, 0.3057



10.5534, 0.2929, 0.1387



0.8033, 0.2972, 0.1411

Inverse Universe

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



17.2387, 0.6286, 0.3237



21.3467, 0.6293, 0.3241



58.4614, 0.2834, 0.5401



14.3941, 0.3275, 0.3264



9.5748, 0.6262, 0.3223



0.7163, 0.5964, 0.3059

Previews

White Background



This preview shows how the Yxy color 18.9480, 0.2924, 0.1384 looks on a white background.

Color Contrast Check

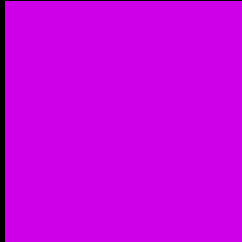
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9480, 0.2924, 0.1384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

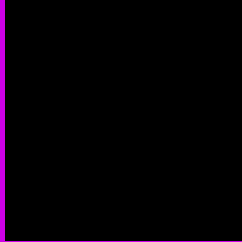
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9480, 0.2924, 0.1384

Background



This preview shows how black text looks on a background with the Yxy color 18.9480, 0.2924, 0.1384.



This preview shows how white text looks on a background with the Yxy color 18.9480, 0.2924, 0.1384.

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

18.9480, 0.2924, 0.1384

Protanopia

19.7964, 0.1739, 0.1460

Deuteranopia

19.7103, 0.1862, 0.1807



Tritanopia

19.1641, 0.4508, 0.3213

Trichromacy



Original Color

18.9480, 0.2924, 0.1384



Protanomaly

12.9991, 0.1788, 0.1076



Deuteranomaly

13.1950, 0.1955, 0.1257



Tritanomaly

16.7035, 0.3905, 0.2233

Monochromacy



Original Color

18.9480, 0.2924, 0.1384



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.5471, 0.3047, 0.1876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9480, 0.2924, 0.1384 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, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(206, 0, 232)  
}
```

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, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 0, 232) }
```

Border

The CSS property to change the border of an element to Yxy 18.9480, 0.2924, 0.1384 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, 0, 232) }
```

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

```
.border{ border-color:rgb(206, 0, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 0, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(206, 0,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9480, 0.2924, 0.1384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 0, 232) }
```

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

```
.background{ background-color: rgb(206, 0,  
232) }
```

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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