

Converting Colors

$Yxy(18.6943, 0.2977, 0.1414)$

Have a look what the booklet for
Yxy(18.6943, 0.2977, 0.1414)
contains.

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Color

Yxy(18.6679, 0.2974, 0.1412)

Conversions

Conversions Part 1

Format	Color
Hex	CE00E3
RGB	206, 0, 227
RGB Percent	81%, 0%, 89%
CMY	0.1922, 0.9998, 0.1097
CMYK	0.09, 1.00, 0.00, 0.11
HSL	294°, 100%, 45%
HSV	294°, 100%, 89%
XYZ	39.3189, 18.6679, 74.2221
YIQ	87.4720, 49.9090, 114.2690

Conversions

Conversions Part 2

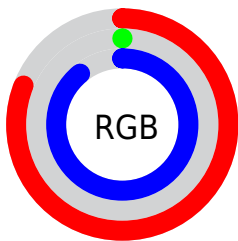
Format	Color
R _Y B	206, 0, 227
Decimal	13500643
CIE Lab	50.30, 86.80, -61.71
CIE LCh	50, 106.498, 324.587
Yxy	18.6679, 0.2974, 0.1412
Android (android.graphics.Color)	4291690723 (0xFFCE00E3)
YUV	87.4720, 68.7873, 103.9491
Hunter-Lab	43.2064, 86.8286, -71.6069

Details

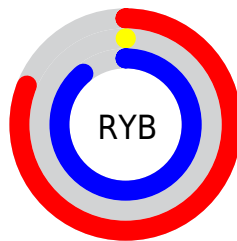
The Yxy color **18.6679, 0.2974, 0.1412** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **55.1125, 0.3018, 0.5986**, and the grayscale version is **9.4846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6644, 0.3195, 0.1848**, and **9.0513, 0.2844, 0.1341** is the 20% darker color. If you saturate the color by 10%, you get **18.6672, 0.2974, 0.1412**, and if you desaturate by 10%, it is **19.5737, 0.2998, 0.1459**.

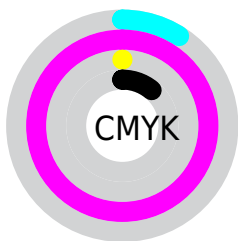
Distribution



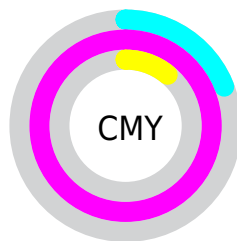
- Red (81%)
- Green (0%)
- Blue (89%)



- Red (81%)
- Yellow (0%)
- Blue (89%)



- Cyan (9%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)




- Cyan (19%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6679, 0.2974, 0.1412 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 18.6679, 0.2974, 0.1412 by changing the saturation by 10% instead.


 18.6679, 0.2974,
0.1412


 18.6679, 0.2974,
0.1412


244.6092, 0.3115,
0.2279


 11.4306, 0.2921,
0.1228


 41.1722, 0.3040,
0.1705


 6.3572, 0.2843,
0.1012


 57.2079, 0.3060,
0.1821


 3.0635, 0.2726,
0.0763


 76.9452, 0.3076,
0.1923

 1.1650, 0.2544,
0.0486

 100.7685, 0.3088,
0.2012

 0.0328, 0.2294,
0.0026

 129.0621, 0.3097,
0.2091

 0.0000, 0.1778,
0.0000

 162.2105, 0.3105,


 0.0000, 0.0194,

0.2160

0.0000


200.5981, 0.3111,
0.2223


 0.0000, 0.0000,
0.0000

 18.6679, 0.2974,
0.1412


 18.6679, 0.2974,
0.1412


 18.6672, 0.2974,
0.1412

 19.5737, 0.2998,
0.1459

 21.1893, 0.3021,
0.1544

 23.7420, 0.3043,
0.1673

 27.3620, 0.3063,
0.1844

 32.1591, 0.3080,
0.2051

■ 38.2292, 0.3095,
0.2284

■ 45.6586, 0.3107,
0.2534

■ 54.5258, 0.3116,
0.2790

■ 64.9036, 0.3123,
0.3044

Harmonies

Analogous

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



18.6679, 0.1570, 0.1072



18.6679, 0.2974, 0.1412



18.6679, 0.5049, 0.2061

Triad

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



18.6679, 0.2974, 0.1412



18.6679, 0.5132, 0.4868



18.6679, 0.0656, 0.2390

Complementary

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



18.6679, 0.2974, 0.1412



55.1125, 0.3018, 0.5986

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.



18.6679, 0.1147, 0.4848



18.6679, 0.2974, 0.1412



18.6679, 0.3644, 0.6356

Square

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



18.6679, 0.2974, 0.1412



18.6679, 0.6308, 0.3692



18.6679, 0.2248, 0.7008



18.6679, 0.0620, 0.1354

Rectangle

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



18.6679, 0.2974, 0.1412



18.6679, 0.6167, 0.2576



18.6679, 0.2248, 0.7008



18.6679, 0.0753, 0.3033

Sweetspot

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



18.6687, 0.2974, 0.1412



59.2002, 0.3107, 0.2528



6.1504, 0.1516, 0.0658



11.7489, 0.3102, 0.2421



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.



18.6687, 0.2974, 0.1412



24.2701, 0.2972, 0.1411



18.1202, 0.4562, 0.2287



14.5438, 0.3123, 0.3057



10.9114, 0.2978, 0.1414



0.8262, 0.3014, 0.1434

Inverse Universe

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



16.3904, 0.6312, 0.3251



21.3244, 0.6320, 0.3255



55.7049, 0.2819, 0.5350



14.3896, 0.3278, 0.3269



9.5633, 0.6293, 0.3240



0.7142, 0.6034, 0.3098

Previews

White Background



This preview shows how the Yxy color 18.6679, 0.2974, 0.1412 looks on a white background.

Color Contrast Check

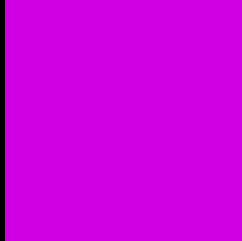
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6679, 0.2974, 0.1412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

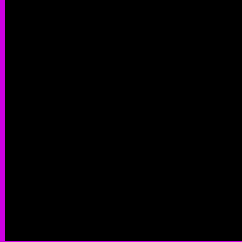
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6679, 0.2974, 0.1412

Background



This preview shows how black text looks on a background with the Yxy color 18.6679, 0.2974, 0.1412.



This preview shows how white text looks on a background with the Yxy color 18.6679, 0.2974, 0.1412.

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

18.6679, 0.2974, 0.1412

Protanopia

19.4380, 0.1739, 0.1460

Deuteranopia

19.4414, 0.1904, 0.1850



Tritanopia

18.9181, 0.4566, 0.3214

Trichromacy



Original Color

18.6679, 0.2974, 0.1412



Protanomaly

12.6847, 0.1793, 0.1079



Deuteranomaly

13.2774, 0.2037, 0.1304



Tritanomaly

16.6452, 0.3971, 0.2265

Monochromacy



Original Color

18.6679, 0.2974, 0.1412



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.3132, 0.3062, 0.1881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6679, 0.2974, 0.1412 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, 227)` looks like.

```
.text, #text, p{  
  color:rgb(206, 0, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 0, 227) }
```

Border

The CSS property to change the border of an element to Yxy 18.6679, 0.2974, 0.1412 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, 227) }
```

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

```
.border{ border-color:rgb(206, 0, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 0, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 0, 227);  
box-shadow:4px 4px 4px 4px rgb(206, 0,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6679, 0.2974, 0.1412 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, 227) }
```

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

```
.background{ background-color: rgb(206, 0,  
227) }
```

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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