

Converting Colors

Yxy(29.0854, 0.2999, 0.1834)

Have a look what the booklet for
Yxy(29.0854, 0.2999, 0.1834)
contains.

Yxy(29.1465, 0.3003, 0.1839)	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(29.1465, 0.3003, 0.1839)

Conversions

Conversions Part 1

Format	Color
Hex	D861EB
RGB	216, 97, 235
RGB Percent	85%, 38%, 92%
CMY	0.1529, 0.6197, 0.0782
CMYK	0.08, 0.59, 0.00, 0.08
HSL	292°, 78%, 65%
HSV	292°, 59%, 92%
XYZ	47.5949, 29.1465, 81.7497
YIQ	148.3130, 26.6260, 68.1460

Conversions

Conversions Part 2

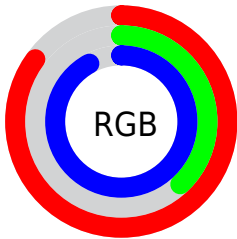
Format	Color
R _Y B	216, 97, 235
Decimal	14180843
CIE Lab	60.91, 65.54, -49.17
CIE LCh	61, 81.933, 323.119
Yxy	29.1465, 0.3003, 0.1839
Android (android.graphics.Color)	4292370923 (0xFFD861EB)
YUV	148.3130, 42.7367, 59.3615
Hunter-Lab	53.9875, 62.8857, -51.9876

Details

The Yxy color **29.1465, 0.3003, 0.1839** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **64.0216, 0.3134, 0.5134**, and the grayscale version is **29.5611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2625, 0.3174, 0.2302**, and **11.8469, 0.2918, 0.1510** is the 20% darker color. If you saturate the color by 10%, you get **24.9404, 0.2970, 0.1654**, and if you desaturate by 10%, it is **34.6511, 0.3033, 0.2058**.

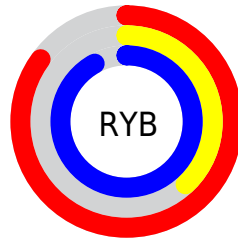
Distribution



Red (85%)

Green (38%)

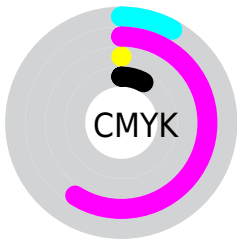
Blue (92%)



Red (85%)

Yellow (38%)

Blue (92%)

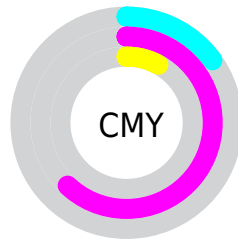


Cyan (8%)

Magenta (59%)

Yellow (0%)

Black (8%)



Cyan (15%)


Magenta (62%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1465, 0.3003, 0.1839 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 29.1465, 0.3003, 0.1839 by changing the saturation by 10% instead.


 29.1465, 0.3003,
0.1839


 29.1465, 0.3003,
0.1839


297.9056, 0.3100,
0.2511


 19.1917, 0.2970,
0.1690


 58.3098, 0.3045,
0.2069

 11.8089, 0.2923,
0.1511


 78.2870, 0.3059,
0.2160

 6.6137, 0.2853,
0.1293


 102.3738, 0.3070,
0.2238

 3.2217, 0.2747,
0.1027

 130.9546, 0.3079,
0.2307

 1.2485, 0.2573,
0.0706

164.4138, 0.3086,
0.2367

 0.1008, 0.2329,
0.0116


203.1357, 0.3092,

 0.0000, 0.1718,

0.2421


0.0000


247.5049, 0.3096,
0.2468


 0.0000, 0.0000,
0.0000


 29.1465, 0.3003,
0.1839


 29.1465, 0.3003,
0.1839


 24.9404, 0.2970,
0.1654

 34.6511, 0.3033,
0.2058


 21.9116, 0.2935,
0.1510

 41.5537, 0.3060,
0.2302


 19.9225, 0.2898,
0.1411

 49.9481, 0.3083,
0.2558

 18.7669, 0.2862,
0.1354

 59.9193, 0.3102,
0.2819

 18.6450, 0.2858,
0.1348

 71.5455, 0.3117,
0.3075

84.8998, 0.3128,
0.3320

95.8192, 0.3141,
0.3489

96.3876, 0.3161,
0.3487

96.9662, 0.3181,
0.3486

Harmonies

Analogous

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



29.1465, 0.1944, 0.1549



29.1465, 0.3003, 0.1839



29.1465, 0.4387, 0.2390

Triad

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



29.1465, 0.3003, 0.1839



29.1465, 0.4939, 0.4761



29.1465, 0.1243, 0.2835

Complementary

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



29.1465, 0.3003, 0.1839



64.0216, 0.3134, 0.5134

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.



29.1465, 0.1797, 0.4400



29.1465, 0.3003, 0.1839



29.1465, 0.3915, 0.5595

Square

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



29.1465, 0.3003, 0.1839



29.1465, 0.5578, 0.3876



29.1465, 0.2786, 0.5675



29.1465, 0.1125, 0.1916

Rectangle

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



29.1465, 0.3003, 0.1839



29.1465, 0.5176, 0.2851



29.1465, 0.2786, 0.5675



29.1465, 0.1373, 0.3300

Sweetspot

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



29.1478, 0.3003, 0.1839



72.9490, 0.3103, 0.2836



21.4274, 0.2042, 0.1659



14.8122, 0.3098, 0.2760



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.



29.1478, 0.3003, 0.1839



29.3438, 0.2964, 0.1628



29.7936, 0.3728, 0.2339



15.2023, 0.3116, 0.3056



10.4139, 0.2864, 0.1351



0.8468, 0.2914, 0.1379

Inverse Universe

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



27.4792, 0.4695, 0.3094



27.4400, 0.5201, 0.3088



64.0382, 0.2822, 0.4542



15.0879, 0.3271, 0.3258



9.8999, 0.6216, 0.3198



0.7881, 0.5894, 0.3021

Previews

White Background



This preview shows how the Yxy color 29.1465, 0.3003, 0.1839 looks on a white background.

Color Contrast Check

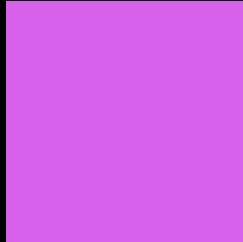
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1465, 0.3003, 0.1839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

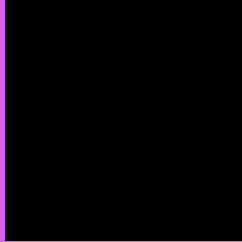
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1465, 0.3003, 0.1839

Background



This preview shows how black text looks on a background with the Yxy color 29.1465, 0.3003, 0.1839.



This preview shows how white text looks on a background with the Yxy color 29.1465, 0.3003, 0.1839.

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

29.1465, 0.3003, 0.1839

Protanopia

29.7079, 0.2043, 0.1842

Deuteranopia

29.5466, 0.2232, 0.2173



Tritanopia

29.0850, 0.3959, 0.3175

Trichromacy



Original Color

29.1465, 0.3003, 0.1839



Protanomaly

27.5315, 0.2278, 0.1775



Deuteranomaly

27.5607, 0.2444, 0.1979



Tritanomaly

28.6116, 0.3588, 0.2599

Monochromacy



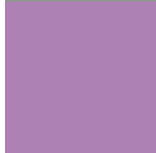
Original Color

29.1465, 0.3003, 0.1839



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

27.8800, 0.3085, 0.2581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1465, 0.3003, 0.1839 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(216, 97, 235)` looks like.

```
.text, #text, p{  
    color:rgb(216, 97, 235)  
}
```

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(216, 97, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 97, 235) }
```

Border

The CSS property to change the border of an element to Yxy 29.1465, 0.3003, 0.1839 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(216, 97, 235) }
```

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

```
.border{ border-color:rgb(216, 97, 235) }
```

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

Here you see how a box with a 4 pixel rgb(216, 97, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 97, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 97, 235);  
box-shadow:4px 4px 4px 4px rgb(216, 97,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1465, 0.3003, 0.1839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 97, 235) }
```

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

```
.background{ background-color: rgb(216, 97,  
235) }
```

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