

Converting Colors

$Y_{xy}(28.9779, 0.3145, 0.1803)$

Have a look what the booklet for
Yxy(28.9779, 0.3145, 0.1803)
contains.

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Color

Yxy(29.0077, 0.3145, 0.1799)

Conversions

Conversions Part 1

Format	Color
Hex	E653EB
RGB	230, 83, 235
RGB Percent	90%, 33%, 92%
CMY	0.0982, 0.6743, 0.0784
CMYK	0.02, 0.65, 0.00, 0.08
HSL	298°, 79%, 62%
HSV	298°, 65%, 92%
XYZ	50.7111, 29.0077, 81.5247
YIQ	144.2810, 38.8200, 78.4360

Conversions

Conversions Part 2

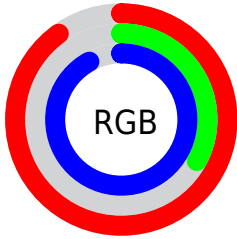
Format	Color
R _{YB}	230, 83, 235
Decimal	15094763
CIE _{Lab}	60.79, 74.55, -49.22
CIE _{LCh}	61, 89.328, 326.567
Yxy	29.0077, 0.3145, 0.1799
Android (android.graphics.Color)	4293284843 (0xFFE653EB)
YUV	144.2810, 44.7245, 75.1756
Hunter-Lab	53.8588, 73.8148, -52.0446

Details

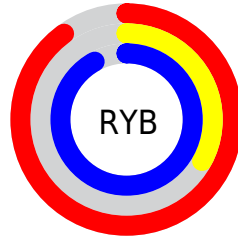
The Yxy color **29.0077, 0.3145, 0.1799** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **62.1229, 0.3050, 0.5367**, and the grayscale version is **27.8216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8260, 0.3178, 0.2204**, and **11.9126, 0.3098, 0.1480** is the 20% darker color. If you saturate the color by 10%, you get **25.8705, 0.3142, 0.1660**, and if you desaturate by 10%, it is **33.3664, 0.3147, 0.1978**.

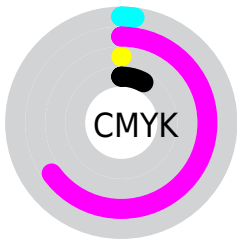
Distribution



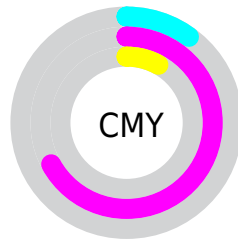
- Red (90%)
- Green (33%)
- Blue (92%)



- Red (90%)
- Yellow (33%)
- Blue (92%)



- Cyan (2%)
- Magenta (65%)
- Yellow (0%)
- Black (8%)





- Cyan (10%)
- Magenta (67%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0077, 0.3145, 0.1799 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 29.0077, 0.3145, 0.1799 by changing the saturation by 10% instead.


 29.0077, 0.3145,
0.1799


 29.0077, 0.3145,
0.1799


297.2513, 0.3173,
0.2483

 19.0866, 0.3128,
0.1649


 58.0893, 0.3163,
0.2032

 11.7329, 0.3101,
0.1470


 78.0187, 0.3168,
0.2124

 6.5621, 0.3058,
0.1252


 102.0529, 0.3171,
0.2204

 3.1898, 0.2985,
0.0988

 130.5764, 0.3172,
0.2274

 1.2316, 0.2856,
0.0674

163.9737, 0.3173,
0.2336

 0.0873, 0.2680,
0.0097

202.6289, 0.3174,

 0.0000, 0.2166,

0.2391

0.0000

246.9267, 0.3174,
0.2439

■ 0.0000, 0.0000,
0.0000

■ 29.0077, 0.3145,
0.1799

■ 29.0077, 0.3145,
0.1799

■ 25.8705, 0.3142,
0.1660

■ 33.3664, 0.3147,
0.1978

■ 23.8220, 0.3136,
0.1565

■ 39.0535, 0.3146,
0.2190


■ 22.7059, 0.3129,
0.1512

■ 46.1689, 0.3144,
0.2425


■ 22.3613, 0.3125,
0.1495


■ 54.8016, 0.3140,
0.2674

■ 65.0336, 0.3136,
0.2927

 76.9409, 0.3130,
0.3177

 90.5946, 0.3124,
0.3417

 95.3853, 0.3125,
0.3490

 95.5193, 0.3130,
0.3490

Harmonies

Analogous

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



29.0077, 0.1960, 0.1465



29.0077, 0.3145, 0.1799



29.0077, 0.4662, 0.2398

Triad

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



29.0077, 0.3145, 0.1799



29.0077, 0.4900, 0.4914



29.0077, 0.1087, 0.2620

Complementary

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



29.0077, 0.3145, 0.1799



62.1229, 0.3050, 0.5367

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.



29.0077, 0.1589, 0.4287



29.0077, 0.3145, 0.1799



29.0077, 0.3770, 0.5834

Square

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



29.0077, 0.3145, 0.1799



29.0077, 0.5691, 0.3950



29.0077, 0.2582, 0.5841



29.0077, 0.1021, 0.1741

Rectangle

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



29.0077, 0.3145, 0.1799



29.0077, 0.5464, 0.2883



29.0077, 0.2582, 0.5841



29.0077, 0.1198, 0.3093

Sweetspot

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



29.0090, 0.3145, 0.1799



72.5840, 0.3138, 0.2815



14.8391, 0.1883, 0.1266



14.7893, 0.3139, 0.2742



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.



29.0090, 0.3145, 0.1799



30.0867, 0.3140, 0.1620



26.5413, 0.4059, 0.2444



15.2868, 0.3133, 0.3058



12.4565, 0.3127, 0.1496



0.9862, 0.3139, 0.1503

Inverse Universe

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



24.5638, 0.5174, 0.3248



24.4536, 0.5800, 0.3257



63.5913, 0.2726, 0.4432



15.0621, 0.3288, 0.3283



9.8430, 0.6365, 0.3280



0.7758, 0.6268, 0.3227

Previews

White Background



This preview shows how the Yxy color 29.0077, 0.3145, 0.1799 looks on a white background.

Color Contrast Check

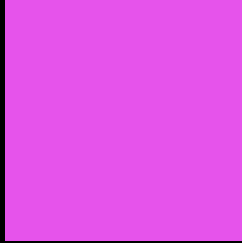
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0077, 0.3145, 0.1799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

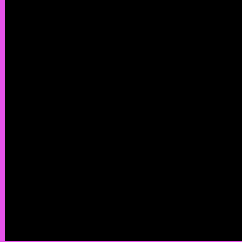
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0077, 0.3145, 0.1799

Background



This preview shows how black text looks on a background with the Yxy color 29.0077, 0.3145, 0.1799.

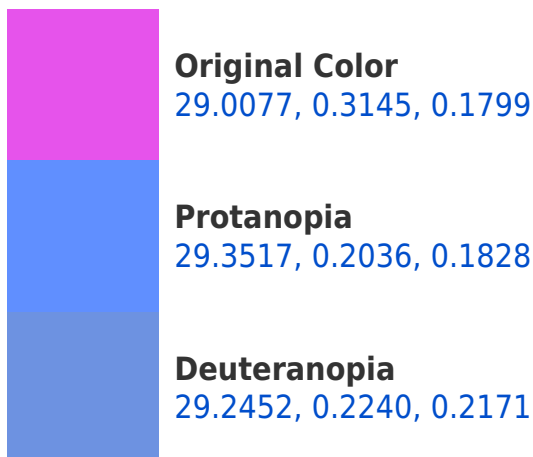


This preview shows how white text looks on a background with the Yxy color 29.0077, 0.3145, 0.1799.

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





Tritanopia

28.9550, 0.4270, 0.3196

Trichromacy



Original Color

29.0077, 0.3145, 0.1799



Protanomaly

26.4718, 0.2303, 0.1719



Deuteranomaly

26.5954, 0.2483, 0.1922



Tritanomaly

28.3494, 0.3844, 0.2597

Monochromacy



Original Color

29.0077, 0.3145, 0.1799



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

26.2074, 0.3141, 0.2527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0077, 0.3145, 0.1799 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(230, 83, 235)` looks like.

```
.text, #text, p{  
    color:rgb(230, 83, 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(230, 83, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 83, 235) }
```

Border

The CSS property to change the border of an element to Yxy 29.0077, 0.3145, 0.1799 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(230, 83, 235) }
```

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

```
.border{ border-color:rgb(230, 83, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 83, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 83, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 83, 235);  
box-shadow:4px 4px 4px 4px rgb(230, 83,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0077, 0.3145, 0.1799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 83, 235) }
```

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

```
.background{ background-color: rgb(230, 83,  
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](#).

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