

Converting Colors

$Y_{xy}(29.8433, 0.3246, 0.1867)$

Have a look what the booklet for
Yxy(29.8433, 0.3246, 0.1867)
contains.

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Color

Yxy(29.7160, 0.3246, 0.1865)

Conversions

Conversions Part 1

Format	Color
Hex	EB54E6
RGB	235, 84, 230
RGB Percent	92%, 33%, 90%
CMY	0.0784, 0.6706, 0.0979
CMYK	0.00, 0.64, 0.02, 0.08
HSL	302°, 79%, 63%
HSV	302°, 64%, 92%
XYZ	51.7202, 29.7160, 77.8989
YIQ	145.7930, 43.1300, 77.4180

Conversions

Conversions Part 2

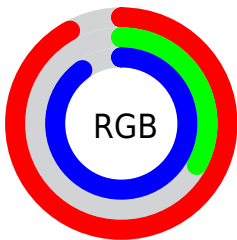
Format	Color
R _{YB}	235, 84, 230
Decimal	15422694
CIE _{Lab}	61.41, 74.55, -45.41
CIE _{LCh}	61, 87.291, 328.650
Yxy	29.7160, 0.3246, 0.1865
Android (android.graphics.Color)	4293612774 (0xFFEB54E6)
YUV	145.7930, 41.5141, 78.2345
Hunter-Lab	54.5124, 73.9603, -46.5676

Details

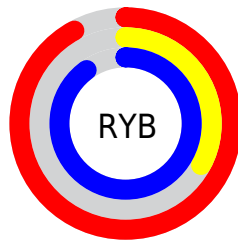
The Yxy color **29.7160, 0.3246, 0.1865** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **62.0268, 0.3012, 0.5313**, and the grayscale version is **28.4682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1249, 0.3178, 0.2213**, and **12.2861, 0.3238, 0.1557** is the 20% darker color. If you saturate the color by 10%, you get **26.6183, 0.3262, 0.1734**, and if you desaturate by 10%, it is **34.0397, 0.3228, 0.2036**.

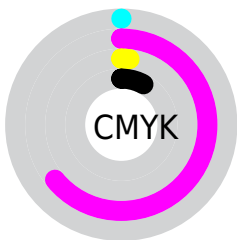
Distribution



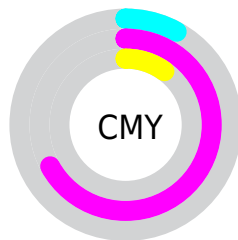
- Red (92%)
- Green (33%)
- Blue (90%)



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



- Cyan (0%)
- Magenta (64%)
- Yellow (2%)
- Black (8%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7160, 0.3246, 0.1865 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 29.7160, 0.3246, 0.1865 by changing the saturation by 10% instead.


 29.7160, 0.3246,
0.1865


 29.7160, 0.3246,
0.1865


300.5784, 0.3220,
0.2522


 19.6231, 0.3243,
0.1720


 59.2128, 0.3244,
0.2090


 12.1214, 0.3235,
0.1544


 79.3854, 0.3241,
0.2179

 6.8264, 0.3215,
0.1331


 103.6868, 0.3237,
0.2255

 3.3538, 0.3175,
0.1068

 132.5013, 0.3234,
0.2322

 1.3191, 0.3093,
0.0750

166.2134, 0.3230,
0.2381

 0.1559, 0.2979,
0.0183

205.2073, 0.3227,


 0.0000, 0.2550,


0.2434


0.0000


249.8675, 0.3223,
0.2481


 0.0000, 0.0000,
0.0000

 29.7160, 0.3246,
0.1865

 29.7160, 0.3246,
0.1865


 26.6183, 0.3262,
0.1734


 34.0397, 0.3228,
0.2036


 24.6145, 0.3277,
0.1646


 39.6956, 0.3209,
0.2239

 23.5497, 0.3288,
0.1601


 46.7830, 0.3189,
0.2465


 23.2248, 0.3294,
0.1589

 55.3910, 0.3170,
0.2705

 65.6011, 0.3152,
0.2949

 77.4891, 0.3134,
0.3190

 91.1260, 0.3118,
0.3422

 95.2531, 0.3111,
0.3478

 95.2983, 0.3106,
0.3470

Harmonies

Analogous

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



29.7160, 0.2053, 0.1515



29.7160, 0.3246, 0.1865



29.7160, 0.4714, 0.2470

Triad

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



29.7160, 0.3246, 0.1865



29.7160, 0.4809, 0.4967



29.7160, 0.1114, 0.2562

Complementary

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



29.7160, 0.3246, 0.1865



62.0268, 0.3012, 0.5313

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.



29.7160, 0.1580, 0.4129



29.7160, 0.3246, 0.1865



29.7160, 0.3696, 0.5814

Square

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



29.7160, 0.3246, 0.1865



29.7160, 0.5603, 0.4020



29.7160, 0.2532, 0.5689



29.7160, 0.1069, 0.1744

Rectangle

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



29.7160, 0.3246, 0.1865



29.7160, 0.5455, 0.2954



29.7160, 0.2532, 0.5689



29.7160, 0.1215, 0.3004

Sweetspot

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



29.7174, 0.3246, 0.1865



72.7856, 0.3160, 0.2831



14.3395, 0.1891, 0.1230



14.8389, 0.3166, 0.2761



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.



29.7174, 0.3246, 0.1865



31.1626, 0.3267, 0.1702



26.4358, 0.4158, 0.2526



15.3047, 0.3143, 0.3065



12.9284, 0.3293, 0.1588



1.0179, 0.3280, 0.1581

Inverse Universe

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



29.7174, 0.3246, 0.1865



31.1626, 0.3267, 0.1702



63.9154, 0.2691, 0.4312



15.3047, 0.3143, 0.3065



12.9284, 0.3293, 0.1588



1.0179, 0.3280, 0.1581

Previews

White Background



This preview shows how the Yxy color 29.7160, 0.3246, 0.1865 looks on a white background.

Color Contrast Check

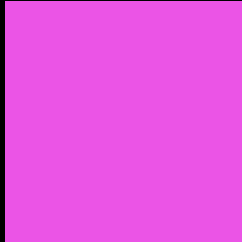
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7160, 0.3246, 0.1865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

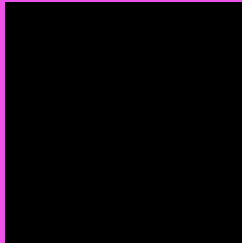
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7160, 0.3246, 0.1865

Background



This preview shows how black text looks on a background with the Yxy color 29.7160, 0.3246, 0.1865.



This preview shows how white text looks on a background with the Yxy color 29.7160, 0.3246, 0.1865.

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

29.7160, 0.3246, 0.1865

Protanopia

30.1234, 0.2055, 0.1858

Deuteranopia

30.1290, 0.2321, 0.2268



Tritanopia

29.6340, 0.4353, 0.3200

Trichromacy



Original Color

29.7160, 0.3246, 0.1865



Protanomaly

27.1156, 0.2340, 0.1766



Deuteranomaly

27.5226, 0.2580, 0.2012



Tritanomaly

28.8759, 0.3929, 0.2624

Monochromacy



Original Color

29.7160, 0.3246, 0.1865



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

26.8052, 0.3173, 0.2548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7160, 0.3246, 0.1865 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(235, 84, 230)` looks like.

```
.text, #text, p{  
  color:rgb(235, 84, 230)  
}
```

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(235, 84, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 84, 230) }
```

Border

The CSS property to change the border of an element to Yxy 29.7160, 0.3246, 0.1865 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(235, 84, 230) }
```

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

```
.border{ border-color:rgb(235, 84, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 84, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 84, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 84, 230);  
box-shadow:4px 4px 4px 4px rgb(235, 84,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7160, 0.3246, 0.1865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 84, 230) }
```

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

```
.background{ background-color: rgb(235, 84,  
230) }
```

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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