

Converting Colors

$Y_{xy}(30.1235, 0.3229, 0.1863)$

Have a look what the booklet for
Yxy(30.1235, 0.3229, 0.1863)
contains.

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Color

Yxy(30.1439, 0.3225, 0.1864)

Conversions

Conversions Part 1

Format	Color
Hex	EB56E8
RGB	235, 86, 232
RGB Percent	92%, 34%, 91%
CMY	0.0785, 0.6627, 0.0902
CMYK	0.00, 0.63, 0.01, 0.08
HSL	301°, 79%, 63%
HSV	301°, 63%, 92%
XYZ	52.1535, 30.1439, 79.4188
YIQ	147.1950, 41.9380, 76.9940

Conversions

Conversions Part 2

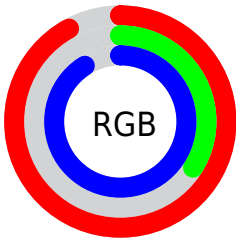
Format	Color
R _Y B	235, 86, 232
Decimal	15423208
CIE Lab	61.78, 74.09, -45.93
CIE LCh	62, 87.173, 328.203
Yxy	30.1439, 0.3225, 0.1864
Android (android.graphics.Color)	4293613288 (0xFFEB56E8)
YUV	147.1950, 41.8089, 77.0050
Hunter-Lab	54.9035, 73.4783, -47.3316

Details

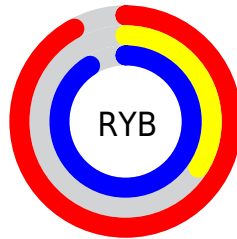
The Yxy color **30.1439, 0.3225, 0.1864** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **62.1141, 0.3020, 0.5307**, and the grayscale version is **29.0753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7308, 0.3177, 0.2230**, and **12.4081, 0.3209, 0.1546** is the 20% darker color. If you saturate the color by 10%, you get **26.9624, 0.3238, 0.1728**, and if you desaturate by 10%, it is **34.5613, 0.3211, 0.2039**.

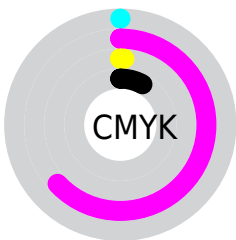
Distribution



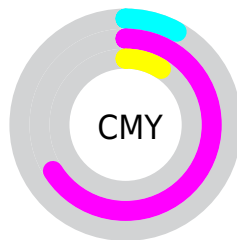
- Red (92%)
- Green (34%)
- Blue (91%)



- Red (92%)
- Yellow (34%)
- Blue (91%)



- Cyan (0%)
- Magenta (63%)
- Yellow (1%)
- Black (8%)




- Cyan (8%)
- Magenta (66%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1439, 0.3225, 0.1864 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 30.1439, 0.3225, 0.1864 by changing the saturation by 10% instead.


 30.1439, 0.3225,
0.1864


 30.1439, 0.3225,
0.1864


302.5746, 0.3210,
0.2520


 19.9478, 0.3220,
0.1719


 59.8897, 0.3227,
0.2088


 12.3571, 0.3208,
0.1545


 80.2082, 0.3225,
0.2177

 6.9874, 0.3184,
0.1333


 104.6696, 0.3223,
0.2253

 3.4542, 0.3139,
0.1072

 133.6584, 0.3221,
0.2320

 1.3732, 0.3050,
0.0757

167.5589, 0.3218,
0.2379

 0.1969, 0.2921,
0.0221

206.7555, 0.3215,


 0.0000, 0.2499,


0.2432


0.0000


251.6326, 0.3212,
0.2478

 0.0000, 0.0000,
0.0000


 30.1439, 0.3225,
0.1864


 30.1439, 0.3225,
0.1864


 26.9624, 0.3238,
0.1728


 34.5613, 0.3211,
0.2039


 24.8864, 0.3248,
0.1636


 40.3194, 0.3195,
0.2246

 23.7643, 0.3256,
0.1586


 47.5169, 0.3179,
0.2476

 23.3904, 0.3261,
0.1570


 56.2418, 0.3163,
0.2719

 66.5752, 0.3147,
0.2966

 78.5925, 0.3132,
0.3209

 92.3642, 0.3118,
0.3443

 95.2245, 0.3113,
0.3483

 95.2519, 0.3111,
0.3478

Harmonies

Analogous

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



30.1439, 0.2044, 0.1519



30.1439, 0.3225, 0.1864



30.1439, 0.4685, 0.2465

Triad

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



30.1439, 0.3225, 0.1864



30.1439, 0.4820, 0.4949



30.1439, 0.1126, 0.2586

Complementary

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



30.1439, 0.3225, 0.1864



62.1141, 0.3020, 0.5307

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.



30.1439, 0.1600, 0.4151



30.1439, 0.3225, 0.1864



30.1439, 0.3715, 0.5793

Square

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



30.1439, 0.3225, 0.1864



30.1439, 0.5600, 0.4009



30.1439, 0.2555, 0.5686



30.1439, 0.1075, 0.1759

Rectangle

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



30.1439, 0.3225, 0.1864



30.1439, 0.5430, 0.2946



30.1439, 0.2555, 0.5686



30.1439, 0.1229, 0.3029

Sweetspot

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



30.1453, 0.3225, 0.1864



72.8255, 0.3156, 0.2826



14.7541, 0.1907, 0.1257



14.8487, 0.3161, 0.2755



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.



30.1453, 0.3225, 0.1864



31.5911, 0.3241, 0.1696



26.7880, 0.4137, 0.2533



15.3083, 0.3141, 0.3063



13.0209, 0.3260, 0.1569



1.0241, 0.3252, 0.1565

Inverse Universe

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



30.1453, 0.3225, 0.1864



31.5911, 0.3241, 0.1696



64.0367, 0.2694, 0.4295



15.3083, 0.3141, 0.3063



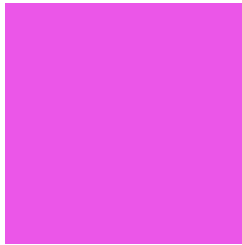
13.0209, 0.3260, 0.1569



1.0241, 0.3252, 0.1565

Previews

White Background



This preview shows how the Yxy color 30.1439, 0.3225, 0.1864 looks on a white background.

Color Contrast Check

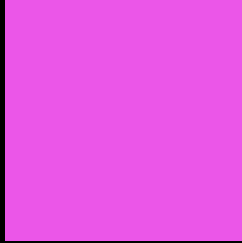
Large Text (above 18pt) WCAG AA × Fail

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 30.1439, 0.3225, 0.1864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

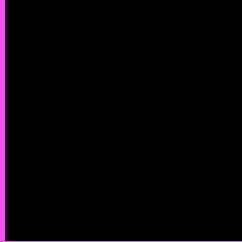
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1439, 0.3225, 0.1864

Background



This preview shows how black text looks on a background with the Yxy color 30.1439, 0.3225, 0.1864.



This preview shows how white text looks on a background with the Yxy color 30.1439, 0.3225, 0.1864.

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

30.1439, 0.3225, 0.1864

Protanopia

30.5445, 0.2068, 0.1874

Deuteranopia

30.6204, 0.2320, 0.2262



Tritanopia

29.9169, 0.4322, 0.3188

Trichromacy



Original Color

30.1439, 0.3225, 0.1864



Protanomaly

27.6147, 0.2351, 0.1775



Deuteranomaly

27.9898, 0.2575, 0.2009



Tritanomaly

29.3556, 0.3897, 0.2622

Monochromacy



Original Color

30.1439, 0.3225, 0.1864



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.4653, 0.3172, 0.2566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1439, 0.3225, 0.1864 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, 86, 232)` looks like.

```
.text, #text, p{  
    color:rgb(235, 86, 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(235, 86, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 86, 232) }
```

Border

The CSS property to change the border of an element to Yxy 30.1439, 0.3225, 0.1864 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, 86, 232) }
```

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

```
.border{ border-color:rgb(235, 86, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 86, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 86, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 86, 232);  
box-shadow:4px 4px 4px 4px rgb(235, 86,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1439, 0.3225, 0.1864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 86, 232) }
```

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

```
.background{ background-color: rgb(235, 86,  
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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