

Converting Colors

Yxy(29.9646, 0.3211, 0.1856)

Have a look what the booklet for
Yxy(29.9646, 0.3211, 0.1856)
contains.

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Color

Yxy(29.9742, 0.3215, 0.1859)

Conversions

Conversions Part 1

Format	Color
Hex	EA56E8
RGB	234, 86, 232
RGB Percent	92%, 34%, 91%
CMY	0.0822, 0.6629, 0.0900
CMYK	0.00, 0.63, 0.01, 0.08
HSL	301°, 78%, 63%
HSV	301°, 63%, 92%
XYZ	51.8381, 29.9742, 79.4260
YIQ	146.8960, 41.3420, 76.7820

Conversions

Conversions Part 2

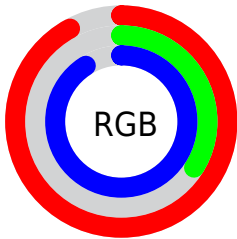
Format	Color
RYB	234, 86, 232
Decimal	15357672
CIELab	61.63, 73.89, -46.19
CIElCh	62, 87.142, 327.991
Yxy	29.9742, 0.3215, 0.1859
Android (android.graphics.Color)	4293547752 (0xFFEA56E8)
YUV	146.8960, 41.9563, 76.3902
Hunter-Lab	54.7487, 73.2002, -47.6901

Details

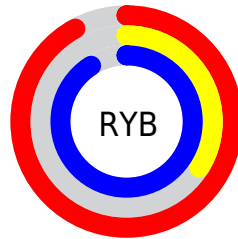
The Yxy color **29.9742, 0.3215, 0.1859** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **61.5471, 0.3024, 0.5314**, and the grayscale version is **28.9380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7308, 0.3177, 0.2230**, and **12.3137, 0.3195, 0.1540** is the 20% darker color. If you saturate the color by 10%, you get **26.8147, 0.3226, 0.1722**, and if you desaturate by 10%, it is **34.3591, 0.3203, 0.2035**.

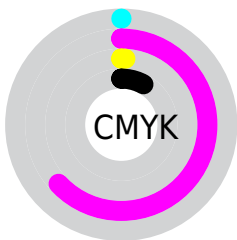
Distribution



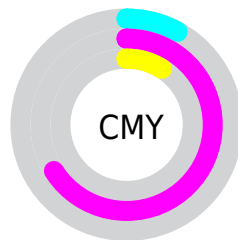
- Red (92%)
- Green (34%)
- Blue (91%)



- 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 29.9742, 0.3215, 0.1859 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 29.9742, 0.3215, 0.1859 by changing the saturation by 10% instead.


 29.9742, 0.3215,
0.1859


 29.9742, 0.3215,
0.1859


301.7842, 0.3205,
0.2518


 19.8190, 0.3208,
0.1714


 59.6214, 0.3219,
0.2084


 12.2635, 0.3195,
0.1539


 79.8821, 0.3218,
0.2173

 6.9234, 0.3169,
0.1326


 104.2802, 0.3216,
0.2250

 3.4143, 0.3120,
0.1065

 133.2000, 0.3214,
0.2317

 1.3516, 0.3026,
0.0748

167.0259, 0.3212,
0.2376

 0.1807, 0.2892,
0.0204

206.1423, 0.3210,

 0.0000, 0.2456,

0.2429

0.0000


250.9336, 0.3207,
0.2476


 0.0000, 0.0000,
0.0000

 29.9742, 0.3215,
0.1859

 29.9742, 0.3215,
0.1859


 26.8147, 0.3226,
0.1722


 34.3591, 0.3203,
0.2035


 24.7521, 0.3234,
0.1628


 40.0732, 0.3189,
0.2244

 23.6365, 0.3240,
0.1577

 47.2139, 0.3175,
0.2475


 23.2615, 0.3244,
0.1560


 55.8684, 0.3160,
0.2719

 66.1168, 0.3145,
0.2967

 78.0337, 0.3132,
0.3212

 91.6890, 0.3118,
0.3447

 94.9919, 0.3114,
0.3495

 95.0101, 0.3112,
0.3492

Harmonies

Analogous

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



29.9742, 0.2036, 0.1516



29.9742, 0.3215, 0.1859



29.9742, 0.4677, 0.2458

Triad

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



29.9742, 0.3215, 0.1859



29.9742, 0.4828, 0.4943



29.9742, 0.1125, 0.2593

Complementary

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



29.9742, 0.3215, 0.1859



61.5471, 0.3024, 0.5314

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.



29.9742, 0.1603, 0.4165



29.9742, 0.3215, 0.1859



29.9742, 0.3723, 0.5792

Square

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



29.9742, 0.3215, 0.1859



29.9742, 0.5606, 0.4002



29.9742, 0.2561, 0.5697



29.9742, 0.1072, 0.1761

Rectangle

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



29.9742, 0.3215, 0.1859



29.9742, 0.5428, 0.2940



29.9742, 0.2561, 0.5697



29.9742, 0.1230, 0.3038

Sweetspot

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



29.9756, 0.3215, 0.1859



72.8459, 0.3154, 0.2823



14.5673, 0.1896, 0.1255



14.8537, 0.3158, 0.2751



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.



29.9756, 0.3215, 0.1859



31.6716, 0.3228, 0.1689



26.6851, 0.4099, 0.2508



15.3101, 0.3140, 0.3061



13.0686, 0.3243, 0.1560



1.0273, 0.3238, 0.1557

Inverse Universe

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



29.9756, 0.3215, 0.1859



31.6716, 0.3228, 0.1689



63.3812, 0.2706, 0.4329



15.3101, 0.3140, 0.3061



13.0686, 0.3243, 0.1560



1.0273, 0.3238, 0.1557

Previews

White Background



This preview shows how the Yxy color 29.9742, 0.3215, 0.1859 looks on a white background.

Color Contrast Check

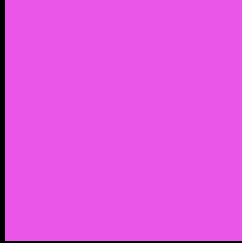
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9742, 0.3215, 0.1859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

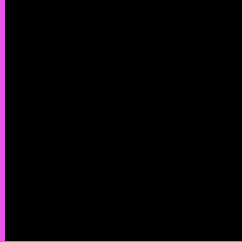
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9742, 0.3215, 0.1859

Background



This preview shows how black text looks on a background with the Yxy color 29.9742, 0.3215, 0.1859.



This preview shows how white text looks on a background with the Yxy color 29.9742, 0.3215, 0.1859.

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

29.9742, 0.3215, 0.1859

Protanopia

30.4871, 0.2063, 0.1873

Deuteranopia

30.2356, 0.2310, 0.2245



Tritanopia

29.7585, 0.4311, 0.3187

Trichromacy



Original Color

29.9742, 0.3215, 0.1859



Protanomaly

27.5203, 0.2343, 0.1772



Deuteranomaly

27.6318, 0.2566, 0.1994



Tritanomaly

29.1934, 0.3886, 0.2619

Monochromacy



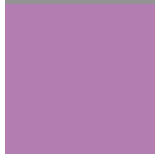
Original Color

29.9742, 0.3215, 0.1859



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 29.9742, 0.3215, 0.1859 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(234, 86, 232)` looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 86, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 86, 232) }
```

Border

The CSS property to change the border of an element to Yxy 29.9742, 0.3215, 0.1859 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(234, 86, 232) }
```

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

```
.border{ border-color:rgb(234, 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(234, 86, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 86, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 86, 232);  
box-shadow:4px 4px 4px 4px rgb(234, 86,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9742, 0.3215, 0.1859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 86, 232) }
```

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

```
.background{ background-color: rgb(234, 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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