

Converting Colors

$Y_{xy}(30.0013, 0.3193, 0.1865)$

Have a look what the booklet for
Yxy(30.0013, 0.3193, 0.1865)
contains.

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Color

Yxy(29.9614, 0.3194, 0.1864)

Conversions

Conversions Part 1

Format	Color
Hex	E858E8
RGB	232, 88, 232
RGB Percent	91%, 35%, 91%
CMY	0.0901, 0.6550, 0.0901
CMYK	0.00, 0.62, 0.00, 0.09
HSL	300°, 76%, 63%
HSV	300°, 62%, 91%
XYZ	51.3394, 29.9614, 79.4363
YIQ	147.4720, 39.6000, 75.3120

Conversions

Conversions Part 2

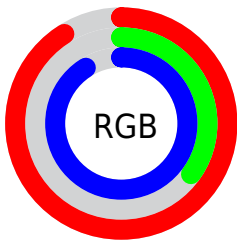
Format	Color
R _{YB}	232, 88, 232
Decimal	15227112
CIE Lab	61.62, 72.63, -46.22
CIE LCh	62, 86.085, 327.529
Yxy	29.9614, 0.3194, 0.1864
Android (android.graphics.Color)	4293417192 (0xFFE858E8)
YUV	147.4720, 41.6723, 74.1311
Hunter-Lab	54.7370, 71.6306, -47.7278

Details

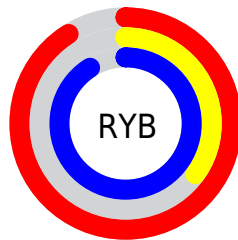
The Yxy color **29.9614, 0.3194, 0.1864** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **60.5036, 0.3033, 0.5297**, and the grayscale version is **29.1937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0378, 0.3176, 0.2239**, and **12.2818, 0.3166, 0.1543** is the 20% darker color. If you saturate the color by 10%, you get **26.7413, 0.3201, 0.1721**, and if you desaturate by 10%, it is **34.3957, 0.3185, 0.2046**.

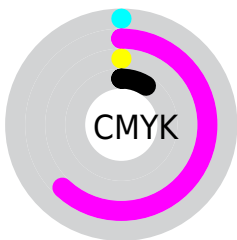
Distribution



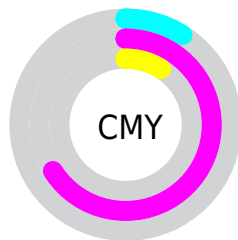
- Red (91%)
- Green (35%)
- Blue (91%)



- Red (91%)
- Yellow (35%)
- Blue (91%)



- Cyan (0%)
- Magenta (62%)
- Yellow (0%)
- Black (9%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9614, 0.3194, 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 29.9614, 0.3194, 0.1864 by changing the saturation by 10% instead.


 29.9614, 0.3194,
0.1864


 29.9614, 0.3194,
0.1864


301.7245, 0.3194,
0.2521


 19.8093, 0.3185,
0.1719


 59.6011, 0.3201,
0.2089


 12.2565, 0.3168,
0.1544


 79.8575, 0.3202,
0.2178

 6.9186, 0.3138,
0.1331


 104.2508, 0.3202,
0.2254

 3.4113, 0.3084,
0.1069

 133.1654, 0.3201,
0.2321

 1.3500, 0.2983,
0.0752

166.9857, 0.3199,
0.2380

 0.1794, 0.2837,
0.0204

206.0960, 0.3198,

 0.0000, 0.2387,

0.2433

0.0000

250.8808, 0.3196,
0.2479

■ 0.0000, 0.0000,
0.0000

■ 29.9614, 0.3194,
0.1864

■ 29.9614, 0.3194,
0.1864

■ 26.7413, 0.3201,
0.1721

■ 34.3957, 0.3185,
0.2046

■ 24.6118, 0.3205,
0.1621

■ 40.1441, 0.3176,
0.2259

■ 23.4302, 0.3208,
0.1564


■ 47.3009, 0.3164,
0.2494


■ 22.9851, 0.3209,
0.1541

■ 55.9503, 0.3153,
0.2742

■ 66.1703, 0.3141,
0.2993

 78.0332, 0.3130,
0.3240

 91.6070, 0.3118,
0.3477

 94.5070, 0.3116,
0.3522

 94.5071, 0.3116,
0.3522

Harmonies

Analogous

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



29.9614, 0.2033, 0.1527



29.9614, 0.3194, 0.1864



29.9614, 0.4639, 0.2457

Triad

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



29.9614, 0.3194, 0.1864



29.9614, 0.4835, 0.4921



29.9614, 0.1146, 0.2622

Complementary

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



29.9614, 0.3194, 0.1864



60.5036, 0.3033, 0.5297

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.



29.9614, 0.1630, 0.4183



29.9614, 0.3194, 0.1864



29.9614, 0.3744, 0.5759

Square

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



29.9614, 0.3194, 0.1864



29.9614, 0.5593, 0.3991



29.9614, 0.2589, 0.5677



29.9614, 0.1085, 0.1784

Rectangle

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



29.9614, 0.3194, 0.1864



29.9614, 0.5389, 0.2936



29.9614, 0.2589, 0.5677



29.9614, 0.1253, 0.3067

Sweetspot

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



29.9628, 0.3194, 0.1864



72.8875, 0.3149, 0.2817



15.2790, 0.1926, 0.1321



14.8639, 0.3153, 0.2745



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.



29.9628, 0.3194, 0.1864



32.4101, 0.3202, 0.1694



26.7594, 0.4037, 0.2493



14.6152, 0.3138, 0.3059



12.7578, 0.3209, 0.1541



0.9428, 0.3209, 0.1541

Inverse Universe

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



24.8408, 0.5113, 0.3296



25.5886, 0.5696, 0.3298



62.2539, 0.2721, 0.4341



14.3680, 0.3293, 0.3290



9.5242, 0.6401, 0.3300



0.7038, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 29.9614, 0.3194, 0.1864 looks on a white background.

Color Contrast Check

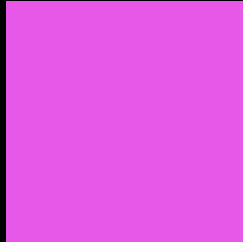
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9614, 0.3194, 0.1864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

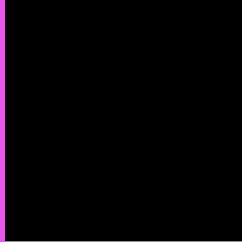
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9614, 0.3194, 0.1864

Background



This preview shows how black text looks on a background with the Yxy color 29.9614, 0.3194, 0.1864.

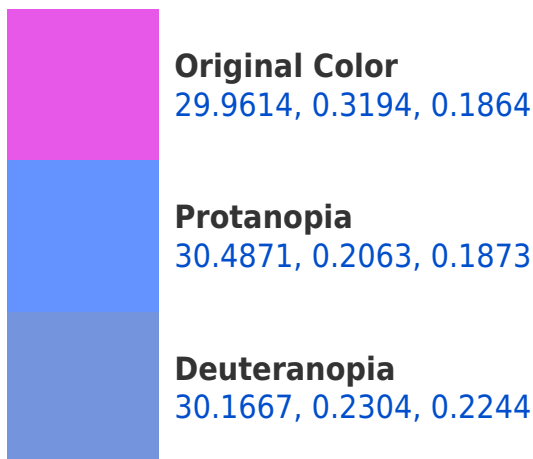


This preview shows how white text looks on a background with the Yxy color 29.9614, 0.3194, 0.1864.

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





Tritanopia

29.9416, 0.4266, 0.3198

Trichromacy



Original Color

29.9614, 0.3194, 0.1864



Protanomaly

27.6785, 0.2338, 0.1781



Deuteranomaly

27.6818, 0.2550, 0.2000



Tritanomaly

29.2890, 0.3858, 0.2635

Monochromacy



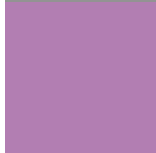
Original Color

29.9614, 0.3194, 0.1864



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.6010, 0.3161, 0.2577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9614, 0.3194, 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(232, 88, 232)` looks like.

```
.text, #text, p{  
    color:rgb(232, 88, 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(232, 88, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 88, 232) }
```

Border

The CSS property to change the border of an element to Yxy 29.9614, 0.3194, 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(232, 88, 232) }
```

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

```
.border{ border-color:rgb(232, 88, 232) }
```

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

Here you see how a box with a 4 pixel rgb(232, 88, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 88, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 88, 232);  
box-shadow:4px 4px 4px 4px rgb(232, 88,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9614, 0.3194, 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(232, 88, 232) }
```

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

```
.background{ background-color: rgb(232, 88,  
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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