

Converting Colors

$Y_{xy}(29.9607, 0.3200, 0.1793)$

Have a look what the booklet for
Yxy(29.9607, 0.3200, 0.1793)
contains.

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Color

Yxy(29.9422, 0.3198, 0.1790)

Conversions

Conversions Part 1

Format	Color
Hex	EE4FEE
RGB	238, 79, 238
RGB Percent	93%, 31%, 93%
CMY	0.0665, 0.6903, 0.0667
CMYK	0.00, 0.67, 0.00, 0.07
HSL	300°, 82%, 62%
HSV	300°, 67%, 93%
XYZ	53.4945, 29.9422, 83.8382
YIQ	144.6670, 43.7250, 83.1570

Conversions

Conversions Part 2

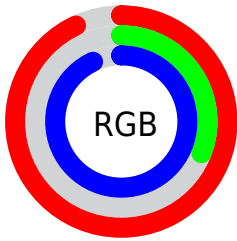
Format	Color
R _Y B	238, 79, 238
Decimal	15618030
CIE Lab	61.60, 78.32, -49.51
CIE LCh	62, 92.656, 327.700
Yxy	29.9422, 0.3198, 0.1790
Android (android.graphics.Color)	4293808110 (0xFFEE4FEE)
YUV	144.6670, 46.0132, 81.8530
Hunter-Lab	54.7195, 78.7450, -52.5373

Details

The Yxy color **29.9422, 0.3198, 0.1790** 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 **63.3939, 0.3026, 0.5447**, and the grayscale version is **27.9676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2362, 0.3179, 0.2187**, and **12.8012, 0.3168, 0.1519** is the 20% darker color. If you saturate the color by 10%, you get **27.1035, 0.3204, 0.1668**, and if you desaturate by 10%, it is **34.0121, 0.3190, 0.1954**.

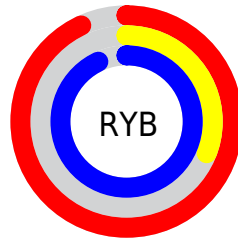
Distribution



Red (93%)

Green (31%)

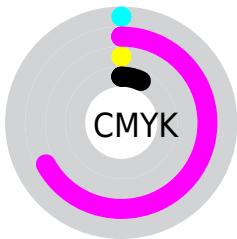
Blue (93%)



Red (93%)

Yellow (31%)

Blue (93%)

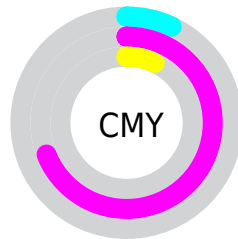


Cyan (0%)

Magenta (67%)

Yellow (0%)

Black (7%)



Cyan (7%)


Magenta (69%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9422, 0.3198, 0.1790 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 29.9422, 0.3198, 0.1790 by changing the saturation by 10% instead.

 29.9422, 0.3198,
0.1790


 29.9422, 0.3198,
0.1790


301.6349, 0.3200,
0.2473


 19.7947, 0.3187,
0.1642


 59.5708, 0.3207,
0.2022


 12.2459, 0.3169,
0.1465


 79.8206, 0.3208,
0.2113

 6.9114, 0.3136,
0.1251


 104.2067, 0.3208,
0.2193

 3.4067, 0.3078,
0.0993

 133.1135, 0.3207,
0.2263

 1.3476, 0.2972,
0.0686

166.9253, 0.3206,
0.2325

 0.1776, 0.2816,
0.0179

206.0266, 0.3204,

 0.0000, 0.2378,

0.2380

0.0000

250.8016, 0.3202,
0.2429

0.0000, 0.0000,
0.0000

29.9422, 0.3198,
0.1790

29.9422, 0.3198,
0.1790

27.1035, 0.3204,
0.1668

34.0121, 0.3190,
0.1954

25.3536, 0.3208,
0.1588

39.4270, 0.3181,
0.2153


24.5180, 0.3210,
0.1550

46.2924, 0.3170,
0.2380

24.3536, 0.3210,
0.1542


54.7020, 0.3159,
0.2623

64.7418, 0.3147,
0.2874

 76.4916, 0.3135,
0.3123

 90.0257, 0.3124,
0.3366

 95.8782, 0.3119,
0.3459

 95.8786, 0.3119,
0.3459

Harmonies

Analogous

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



29.9422, 0.1970, 0.1441



29.9422, 0.3198, 0.1790



29.9422, 0.4755, 0.2404

Triad

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



29.9422, 0.3198, 0.1790



29.9422, 0.4878, 0.4964



29.9422, 0.1041, 0.2549

Complementary

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



29.9422, 0.3198, 0.1790



63.3939, 0.3026, 0.5447

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.



29.9422, 0.1523, 0.4237



29.9422, 0.3198, 0.1790



29.9422, 0.3716, 0.5912

Square

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



29.9422, 0.3198, 0.1790



29.9422, 0.5716, 0.3975



29.9422, 0.2513, 0.5885



29.9422, 0.0992, 0.1687

Rectangle

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



29.9422, 0.3198, 0.1790



29.9422, 0.5555, 0.2895



29.9422, 0.2513, 0.5885



29.9422, 0.1145, 0.3021

Sweetspot

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



29.9436, 0.3198, 0.1790



71.6648, 0.3151, 0.2792



13.4248, 0.1830, 0.1145



14.6266, 0.3154, 0.2721



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.



29.9436, 0.3198, 0.1790



30.8439, 0.3205, 0.1635



26.2573, 0.4183, 0.2481



16.0314, 0.3138, 0.3057



13.5828, 0.3210, 0.1542



1.1300, 0.3210, 0.1542

Inverse Universe

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



29.9436, 0.3198, 0.1790



30.8439, 0.3205, 0.1635



65.3151, 0.2697, 0.4401



16.0314, 0.3138, 0.3057



13.5828, 0.3210, 0.1542



1.1300, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 29.9422, 0.3198, 0.1790 looks on a white background.

Color Contrast Check

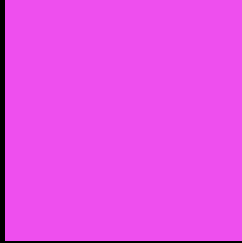
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9422, 0.3198, 0.1790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

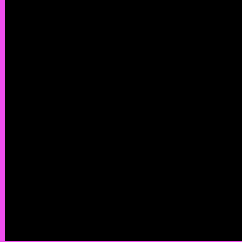
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9422, 0.3198, 0.1790

Background



This preview shows how black text looks on a background with the Yxy color 29.9422, 0.3198, 0.1790.

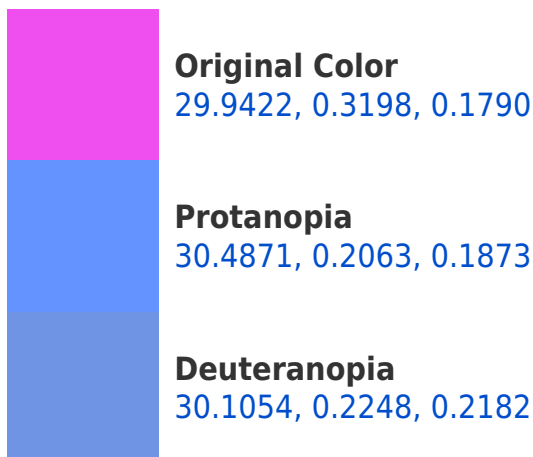


This preview shows how white text looks on a background with the Yxy color 29.9422, 0.3198, 0.1790.

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

29.6991, 0.4393, 0.3201

Trichromacy



Original Color

29.9422, 0.3198, 0.1790



Protanomaly

27.2427, 0.2336, 0.1737



Deuteranomaly

27.1035, 0.2503, 0.1916



Tritanomaly

29.0423, 0.3941, 0.2591

Monochromacy



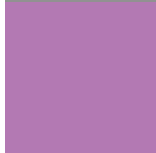
Original Color

29.9422, 0.3198, 0.1790



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.5131, 0.3164, 0.2499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9422, 0.3198, 0.1790 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(238, 79, 238)` looks like.

```
.text, #text, p{  
    color:rgb(238, 79, 238)  
}
```

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(238, 79, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 79, 238) }
```

Border

The CSS property to change the border of an element to Yxy 29.9422, 0.3198, 0.1790 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(238, 79, 238) }
```

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

```
.border{ border-color:rgb(238, 79, 238) }
```

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

Here you see how a box with a 4 pixel rgb(238, 79, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 79, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 79, 238);  
box-shadow:4px 4px 4px 4px rgb(238, 79,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9422, 0.3198, 0.1790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 79, 238) }
```

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

```
.background{ background-color: rgb(238, 79, 238) }
```

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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