

Converting Colors

$Y_{xy}(29.8162, 0.3634, 0.2157)$

Have a look what the booklet for
Yxy(29.8162, 0.3634, 0.2157)
contains.

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Color

Yxy(29.8973, 0.3630, 0.2157)

Conversions

Conversions Part 1

Format	Color
Hex	F158C9
RGB	241, 88, 201
RGB Percent	95%, 35%, 79%
CMY	0.0548, 0.6550, 0.2117
CMYK	0.00, 0.63, 0.17, 0.05
HSL	316°, 85%, 65%
HSV	316°, 63%, 95%
XYZ	50.3140, 29.8973, 58.3947
YIQ	146.6290, 54.9150, 67.5790

Conversions

Conversions Part 2

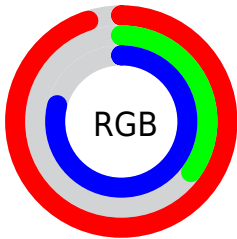
Format	Color
R _Y B	241, 88, 201
Decimal	15816905
CIE Lab	61.57, 70.14, -28.76
CIE LCh	62, 75.804, 337.704
Yxy	29.8973, 0.3630, 0.2157
Android (android.graphics.Color)	4294006985 (0xFFFF158C9)
YUV	146.6290, 26.8049, 82.7634
Hunter-Lab	54.6784, 68.5648, -25.0448

Details

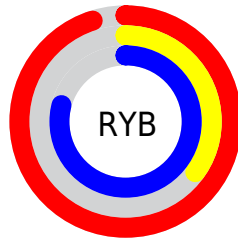
The Yxy color **29.8973, 0.3630, 0.2157** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **66.5506, 0.2872, 0.4854**, and the grayscale version is **28.8862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0378, 0.3176, 0.2239**, and **12.1933, 0.3744, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **26.2850, 0.3738, 0.2050**, and if you desaturate by 10%, it is **34.8318, 0.3527, 0.2301**.

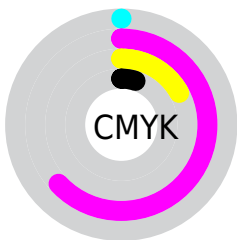
Distribution



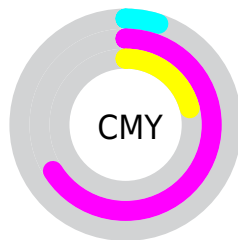
- Red (95%)
- Green (35%)
- Blue (79%)



- Red (95%)
- Yellow (35%)
- Blue (79%)



- Cyan (0%)
- Magenta (63%)
- Yellow (17%)
- Black (5%)




- Cyan (5%)
- Magenta (66%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8973, 0.3630, 0.2157 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 29.8973, 0.3630, 0.2157 by changing the saturation by 10% instead.

 29.8973, 0.3630,
0.2157


 29.8973, 0.3630,
0.2157


301.4255, 0.3390,
0.2701


 19.7606, 0.3686,
0.2030


 59.4997, 0.3546,
0.2349

 12.2212, 0.3755,
0.1872


 79.7343, 0.3513,
0.2422

 6.8945, 0.3842,
0.1672


 104.1036, 0.3485,
0.2485

 3.3962, 0.3954,
0.1413

 132.9921, 0.3461,
0.2540

 1.3419, 0.4099,
0.1072

166.7841, 0.3440,
0.2588

 0.1733, 0.4423,
0.0325

205.8641, 0.3421,

 0.0000, 0.4534,

0.2630

0.0000

250.6164, 0.3405,
0.2667

■ 0.0000, 0.0000,
0.0000

■ 29.8973, 0.3630,
0.2157

■ 29.8973, 0.3630,
0.2157

■ 26.2850, 0.3738,
0.2050

■ 34.8318, 0.3527,
0.2301

■ 23.8558, 0.3846,
0.1988

■ 41.2006, 0.3431,
0.2471


■ 22.4475, 0.3952,
0.1975


■ 49.1087, 0.3345,
0.2657


■ 21.9191, 0.4019,
0.1988


■ 58.6501, 0.3268,
0.2850

■ 69.9113, 0.3202,
0.3042

 82.9726, 0.3145,
0.3227

 96.8226, 0.3097,
0.3387

 97.2141, 0.3062,
0.3325

 97.4432, 0.3042,
0.3290

Harmonies

Analogous

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



29.8973, 0.2457, 0.1751



29.8973, 0.3630, 0.2157



29.8973, 0.4843, 0.2774

Triad

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



29.8973, 0.3630, 0.2157



29.8973, 0.4425, 0.5107



29.8973, 0.1255, 0.2390

Complementary

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



29.8973, 0.3630, 0.2157



66.5506, 0.2872, 0.4854

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.



29.8973, 0.1582, 0.3572



29.8973, 0.3630, 0.2157



29.8973, 0.3393, 0.5586

Square

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



29.8973, 0.3630, 0.2157



29.8973, 0.5215, 0.4283



29.8973, 0.2350, 0.5011



29.8973, 0.1300, 0.1791

Rectangle

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



29.8973, 0.3630, 0.2157



29.8973, 0.5342, 0.3246



29.8973, 0.2350, 0.5011



29.8973, 0.1318, 0.2716

Sweetspot

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



29.8988, 0.3630, 0.2157



72.0992, 0.3238, 0.2935



17.7830, 0.2138, 0.1358



14.6708, 0.3257, 0.2880



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.



29.8988, 0.3630, 0.2157



28.9959, 0.3767, 0.2028



27.1930, 0.4657, 0.2908



15.9568, 0.3178, 0.3117



11.9080, 0.4003, 0.1979



1.0068, 0.3875, 0.1908

Inverse Universe

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



29.8988, 0.3630, 0.2157



28.9959, 0.3767, 0.2028



69.2930, 0.2529, 0.3790



15.9568, 0.3178, 0.3117



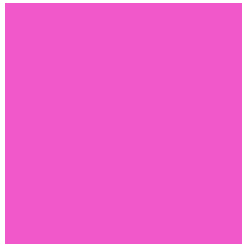
11.9080, 0.4003, 0.1979



1.0068, 0.3875, 0.1908

Previews

White Background



This preview shows how the Yxy color 29.8973, 0.3630, 0.2157 looks on a white background.

Color Contrast Check

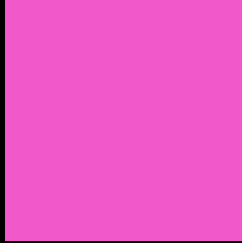
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8973, 0.3630, 0.2157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

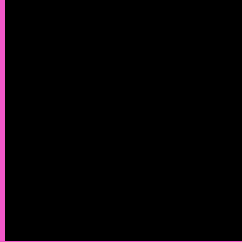
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8973, 0.3630, 0.2157

Background



This preview shows how black text looks on a background with the Yxy color 29.8973, 0.3630, 0.2157.

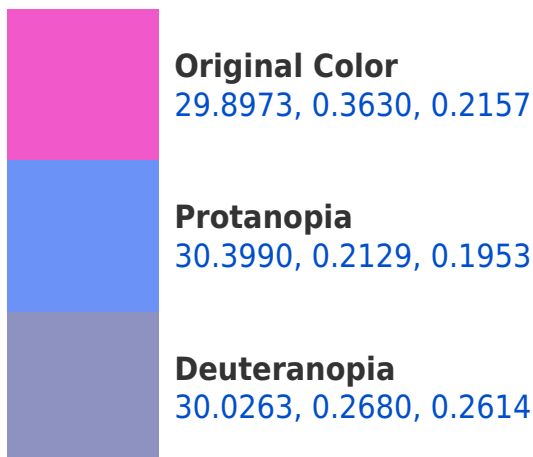


This preview shows how white text looks on a background with the Yxy color 29.8973, 0.3630, 0.2157.

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

29.7835, 0.4570, 0.3207

Trichromacy



Original Color

29.8973, 0.3630, 0.2157



Protanomaly

27.4483, 0.2504, 0.1946



Deuteranomaly

27.9545, 0.2982, 0.2360



Tritanomaly

29.4737, 0.4235, 0.2793

Monochromacy



Original Color

29.8973, 0.3630, 0.2157



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.5355, 0.3312, 0.2723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8973, 0.3630, 0.2157 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(241, 88, 201)` looks like.

```
.text, #text, p{  
    color:rgb(241, 88, 201)  
}
```

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(241, 88, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 88, 201) }
```

Border

The CSS property to change the border of an element to Yxy 29.8973, 0.3630, 0.2157 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(241, 88, 201) }
```

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

```
.border{ border-color:rgb(241, 88, 201) }
```

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

Here you see how a box with a 4 pixel rgb(241, 88, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 88, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 88, 201);  
box-shadow:4px 4px 4px 4px rgb(241, 88,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8973, 0.3630, 0.2157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 88, 201) }
```

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

```
.background{ background-color: rgb(241, 88,  
201) }
```

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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