

Converting Colors

$Y_{xy}(31.9796, 0.3716, 0.2251)$

Have a look what the booklet for
Yxy(31.9796, 0.3716, 0.2251)
contains.

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Color

Yxy(31.9031, 0.3709, 0.2247)

Conversions

Conversions Part 1

Format	Color
Hex	F75EC7
RGB	247, 94, 199
RGB Percent	97%, 37%, 78%
CMY	0.0315, 0.6312, 0.2196
CMYK	0.00, 0.62, 0.19, 0.03
HSL	319°, 90%, 67%
HSV	319°, 62%, 97%
XYZ	52.6607, 31.9031, 57.4171
YIQ	151.7170, 57.4830, 65.0910

Conversions

Conversions Part 2

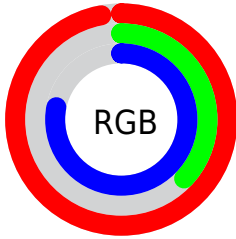
Format	Color
R_{YB}	247, 94, 199
Decimal	16211655
CIE _{Lab}	63.26, 69.01, -24.92
CIE _{LCh}	63, 73.376, 340.145
Yxy	31.9031, 0.3709, 0.2247
Android (android.graphics.Color)	4294401735 (0xFFFF75EC7)
YUV	151.7170, 23.3105, 83.5632
Hunter-Lab	56.4828, 67.5762, -20.7327

Details

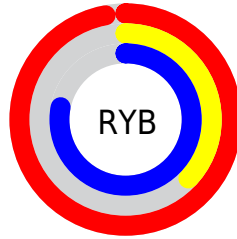
The Yxy color **31.9031, 0.3709, 0.2247** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **70.8363, 0.2839, 0.4704**, and the grayscale version is **31.1567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9365, 0.3174, 0.2293**, and **13.3479, 0.3858, 0.1983** is the 20% darker color. If you saturate the color by 10%, you get **27.8399, 0.3842, 0.2142**, and if you desaturate by 10%, it is **37.3924, 0.3584, 0.2387**.

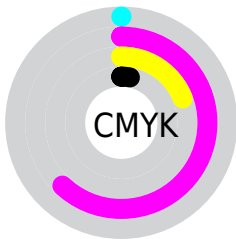
Distribution



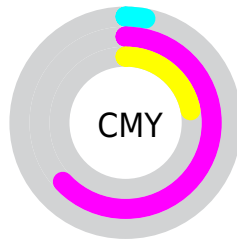
- Red (97%)
- Green (37%)
- Blue (78%)



- Red (97%)
- Yellow (37%)
- Blue (78%)



- Cyan (0%)
- Magenta (62%)
- Yellow (19%)
- Black (3%)





- Cyan (3%)
- Magenta (63%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9031, 0.3709, 0.2247 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 31.9031, 0.3709, 0.2247 by changing the saturation by 10% instead.


 31.9031, 0.3709,
0.2247


 31.9031, 0.3709,
0.2247


310.6776, 0.3426,
0.2748

 21.2875, 0.3777,
0.2129


 62.6591, 0.3608,
0.2424


 13.3343, 0.3862,
0.1983


 83.5684, 0.3570,
0.2492

 7.6592, 0.3972,
0.1796


 108.6776, 0.3537,
0.2550

 3.8776, 0.4118,
0.1553

 138.3713, 0.3508,
0.2600

 1.6054, 0.4319,
0.1227

173.0337, 0.3484,
0.2644

 0.3612, 0.4682,
0.0633

213.0493, 0.3462,

 0.0000, 0.5138,

0.2683

0.0000

258.8025, 0.3443,
0.2717

■ 0.0000, 0.0000,
0.0000

■ 31.9031, 0.3709,
0.2247

■ 31.9031, 0.3709,
0.2247

■ 27.8399, 0.3842,
0.2142

■ 37.3924, 0.3584,
0.2387

■ 25.0584, 0.3979,
0.2083

■ 44.4244, 0.3469,
0.2550

■ 23.3921, 0.4113,
0.2073

■ 53.1090, 0.3368,
0.2727


■ 22.6518, 0.4219,
0.2098

■ 63.5448, 0.3279,
0.2908

■ 75.8225, 0.3203,
0.3086

 90.0265, 0.3138,
0.3258

 98.3943, 0.3088,
0.3307

 98.5081, 0.3078,
0.3290

Harmonies

Analogous

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



31.9031, 0.2570, 0.1832



31.9031, 0.3709, 0.2247



31.9031, 0.4831, 0.2859

Triad

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



31.9031, 0.3709, 0.2247



31.9031, 0.4318, 0.5100



31.9031, 0.1318, 0.2375

Complementary

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



31.9031, 0.3709, 0.2247



70.8363, 0.2839, 0.4704

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.



31.9031, 0.1611, 0.3455



31.9031, 0.3709, 0.2247



31.9031, 0.3320, 0.5462

Square

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



31.9031, 0.3709, 0.2247



31.9031, 0.5091, 0.4336



31.9031, 0.2324, 0.4812



31.9031, 0.1385, 0.1828

Rectangle

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



31.9031, 0.3709, 0.2247



31.9031, 0.5266, 0.3324



31.9031, 0.2324, 0.4812



31.9031, 0.1372, 0.2673

Sweetspot

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



31.9047, 0.3709, 0.2247



71.9475, 0.3256, 0.2960



20.2947, 0.2223, 0.1428



14.6339, 0.3279, 0.2908



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.



31.9047, 0.3709, 0.2247



29.1687, 0.3872, 0.2125



29.2521, 0.4708, 0.2992



16.6746, 0.3186, 0.3129



12.0103, 0.4198, 0.2086



1.0741, 0.4043, 0.2001

Inverse Universe

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



31.9047, 0.3709, 0.2247



29.1687, 0.3872, 0.2125



73.8608, 0.2503, 0.3675



16.6746, 0.3186, 0.3129



12.0103, 0.4198, 0.2086



1.0741, 0.4043, 0.2001

Previews

White Background



This preview shows how the Yxy color 31.9031, 0.3709, 0.2247 looks on a white background.

Color Contrast Check

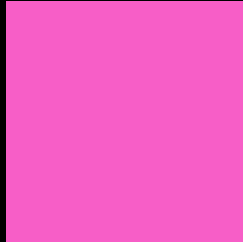
Large Text (above 18pt) WCAG AA × Fail

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 31.9031, 0.3709, 0.2247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

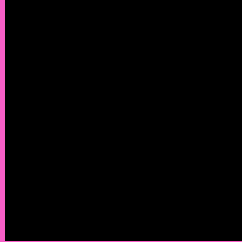
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9031, 0.3709, 0.2247

Background



This preview shows how black text looks on a background with the Yxy color 31.9031, 0.3709, 0.2247.



This preview shows how white text looks on a background with the Yxy color 31.9031, 0.3709, 0.2247.

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

31.9031, 0.3709, 0.2247

Protanopia

32.5262, 0.2225, 0.2077

Deuteranopia

32.0144, 0.2779, 0.2714



Tritanopia

31.9404, 0.4577, 0.3220

Trichromacy



Original Color

31.9031, 0.3709, 0.2247



Protanomaly

29.6183, 0.2617, 0.2063



Deuteranomaly

30.1298, 0.3082, 0.2469



Tritanomaly

31.7400, 0.4276, 0.2848

Monochromacy



Original Color

31.9031, 0.3709, 0.2247



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.6620, 0.3349, 0.2777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9031, 0.3709, 0.2247 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(247, 94, 199)` looks like.

```
.text, #text, p{  
    color:rgb(247, 94, 199)  
}
```

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(247, 94, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 94, 199) }
```

Border

The CSS property to change the border of an element to Yxy 31.9031, 0.3709, 0.2247 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(247, 94, 199) }
```

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

```
.border{ border-color:rgb(247, 94, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 94, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 94, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 94, 199);  
box-shadow:4px 4px 4px 4px rgb(247, 94,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9031, 0.3709, 0.2247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 94, 199) }
```

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

```
.background{ background-color: rgb(247, 94,  
199) }
```

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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