

Converting Colors

$Y_{xy}(31.9275, 0.3734, 0.2167)$

Have a look what the booklet for
Yxy(31.9275, 0.3734, 0.2167)
contains.

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Color

Yxy(31.9275, 0.3734, 0.2167)

Conversions

Conversions Part 1

Format	Color
Hex	FE55CC
RGB	254, 85, 204
RGB Percent	100%, 33%, 80%
CMY	0.0040, 0.6665, 0.2000
CMYK	0.00, 0.67, 0.20, 0.00
HSL	318°, 99%, 66%
HSV	318°, 67%, 100%
XYZ	55.0149, 31.9275, 60.3926
YIQ	149.0970, 62.5250, 72.8370

Conversions

Conversions Part 2

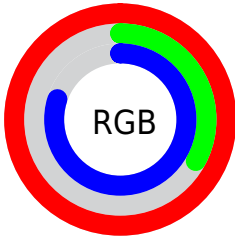
Format	Color
R_{YB}	254, 85, 204
Decimal	16668108
CIE _{Lab}	63.28, 74.96, -27.63
CIE _{LCh}	63, 79.888, 339.765
Yxy	31.9275, 0.3734, 0.2167
Android (android.graphics.Color)	4294858188 (0xFFFE55CC)
YUV	149.0970, 27.0672, 91.9999
Hunter-Lab	56.5044, 74.9118, -23.8168

Details

The Yxy color **31.9275, 0.3734, 0.2167** 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 **74.5520, 0.2845, 0.4869**, and the grayscale version is **29.9681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7308, 0.3177, 0.2230**, and **13.5395, 0.3870, 0.1905** is the 20% darker color. If you saturate the color by 10%, you get **28.2685, 0.3860, 0.2079**, and if you desaturate by 10%, it is **37.0414, 0.3613, 0.2295**.

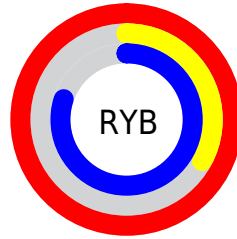
Distribution



Red (100%)

Green (33%)

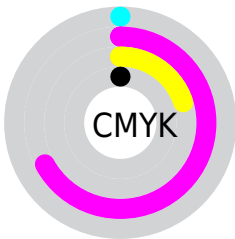
Blue (80%)



Red (100%)

Yellow (33%)

Blue (80%)

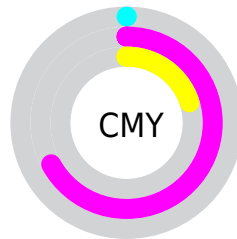


Cyan (0%)

Magenta (67%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (67%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9275, 0.3734, 0.2167 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 31.9275, 0.3734, 0.2167 by changing the saturation by 10% instead.


 31.9275, 0.3734,
0.2167


 31.9275, 0.3734,
0.2167


310.7889, 0.3442,
0.2701


 21.3061, 0.3803,
0.2044


 62.6974, 0.3631,
0.2354

 13.3480, 0.3888,
0.1891


 83.6147, 0.3591,
0.2426

 7.6686, 0.3997,
0.1699


 108.7329, 0.3557,
0.2488

 3.8836, 0.4140,
0.1451

 138.4361, 0.3528,
0.2542

 1.6087, 0.4333,
0.1126

173.1090, 0.3502,
0.2589

 0.3634, 0.4665,
0.0565

213.1358, 0.3480,

 0.0000, 0.5054,

0.2631

0.0000

258.9009, 0.3460,
0.2668

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.9275, 0.3734,
0.2167

■ 31.9275, 0.3734,
0.2167

■ 28.2685, 0.3860,
0.2079

■ 37.0414, 0.3613,
0.2295

■ 25.8977, 0.3987,
0.2039


■ 43.7435, 0.3500,
0.2452

■ 24.6140, 0.4110,
0.2050

■ 52.1573, 0.3399,
0.2628

■ 24.3153, 0.4152,
0.2061

■ 62.3927, 0.3309,
0.2812

 74.5507, 0.3231,
0.2997

 88.7243, 0.3165,
0.3177

99.8067, 0.3121,
0.3290

Harmonies

Analogous

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



31.9275, 0.2507, 0.1737



31.9275, 0.3734, 0.2167



31.9275, 0.4964, 0.2804

Triad

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



31.9275, 0.3734, 0.2167



31.9275, 0.4373, 0.5195



31.9275, 0.1207, 0.2300

Complementary

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



31.9275, 0.3734, 0.2167



74.5520, 0.2845, 0.4869

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.



31.9275, 0.1505, 0.3473



31.9275, 0.3734, 0.2167



31.9275, 0.3310, 0.5661

Square

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



31.9275, 0.3734, 0.2167



31.9275, 0.5217, 0.4347



31.9275, 0.2255, 0.4987



31.9275, 0.1277, 0.1730

Rectangle

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



31.9275, 0.3734, 0.2167



31.9275, 0.5435, 0.3285



31.9275, 0.2255, 0.4987



31.9275, 0.1260, 0.2618

Sweetspot

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



31.9291, 0.3734, 0.2167



70.7319, 0.3257, 0.2933



18.6355, 0.2122, 0.1284



14.4001, 0.3279, 0.2881



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.



31.9291, 0.3734, 0.2167



27.5523, 0.3905, 0.2060



28.9654, 0.4860, 0.2957



18.2034, 0.3184, 0.3124



12.8490, 0.4133, 0.2050



1.2703, 0.4002, 0.1978

Inverse Universe

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



31.9291, 0.3734, 0.2167



27.5523, 0.3905, 0.2060



77.8317, 0.2491, 0.3746



18.2034, 0.3184, 0.3124



12.8490, 0.4133, 0.2050



1.2703, 0.4002, 0.1978

Previews

White Background



This preview shows how the Yxy color 31.9275, 0.3734, 0.2167 looks on a white background.

Color Contrast Check

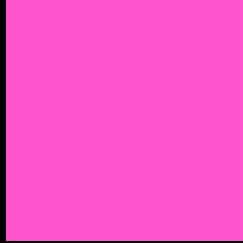
Large Text (above 18pt) WCAG AA × Fail

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 31.9275, 0.3734, 0.2167 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 31.9275, 0.3734, 0.2167

Background



This preview shows how black text looks on a background with the Yxy color 31.9275, 0.3734, 0.2167.

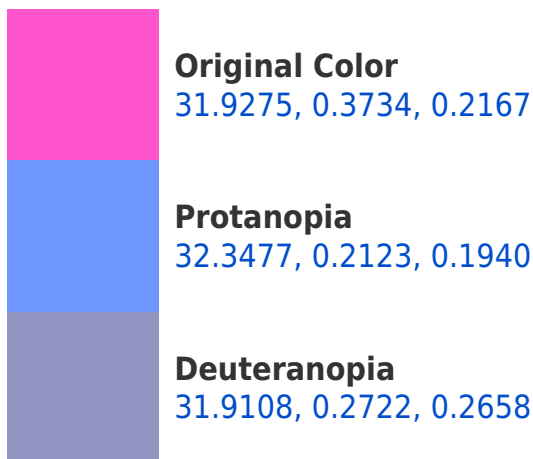


This preview shows how white text looks on a background with the Yxy color 31.9275, 0.3734, 0.2167.

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

31.7911, 0.4728, 0.3224

Trichromacy



Original Color

31.9275, 0.3734, 0.2167



Protanomaly

28.6592, 0.2516, 0.1922



Deuteranomaly

29.4380, 0.3046, 0.2365



Tritanomaly

31.3922, 0.4378, 0.2806

Monochromacy



Original Color

31.9275, 0.3734, 0.2167



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.3511, 0.3356, 0.2710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9275, 0.3734, 0.2167 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(254, 85, 204)` looks like.

```
.text, #text, p{  
    color:rgb(254, 85, 204)  
}
```

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(254, 85, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 85, 204) }
```

Border

The CSS property to change the border of an element to Yxy 31.9275, 0.3734, 0.2167 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(254, 85, 204) }
```

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

```
.border{ border-color:rgb(254, 85, 204) }
```

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

Here you see how a box with a 4 pixel rgb(254, 85, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 85, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 85, 204);  
box-shadow:4px 4px 4px 4px rgb(254, 85,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9275, 0.3734, 0.2167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 85, 204) }
```

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

```
.background{ background-color: rgb(254, 85,  
204) }
```

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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