

Converting Colors

Yxy(31.7367, 0.3417, 0.1860)

Have a look what the booklet for
Yxy(31.7367, 0.3417, 0.1860)
contains.

Yxy(31.7070, 0.3413, 0.1855)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.7070, 0.3413, 0.1855)

Conversions

Conversions Part 1

Format	Color
Hex	FF47EA
RGB	255, 71, 234
RGB Percent	100%, 28%, 92%
CMY	0.0001, 0.7214, 0.0824
CMYK	0.00, 0.72, 0.08, 0.00
HSL	307°, 100%, 64%
HSV	307°, 72%, 100%
XYZ	58.3375, 31.7070, 80.8828
YIQ	144.5980, 57.3410, 89.7010

Conversions

Conversions Part 2

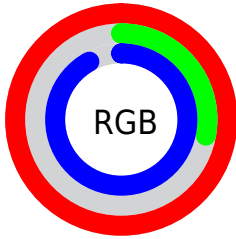
Format	Color
R_{YB}	255, 71, 234
Decimal	16730090
CIE _{Lab}	63.10, 83.97, -44.75
CIE _{LCh}	63, 95.152, 331.944
Yxy	31.7070, 0.3413, 0.1855
Android (android.graphics.Color)	4294920170 (0xFFFF47EA)
YUV	144.5980, 44.0752, 96.8226
Hunter-Lab	56.3090, 86.3896, -45.7485

Details

The Yxy color **31.7070, 0.3413, 0.1855** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **73.6205, 0.2960, 0.5408**, and the grayscale version is **27.9533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8079, 0.3181, 0.2144**, and **14.6837, 0.3429, 0.1662** is the 20% darker color. If you saturate the color by 10%, you get **28.9492, 0.3456, 0.1767**, and if you desaturate by 10%, it is **35.8302, 0.3368, 0.1987**.

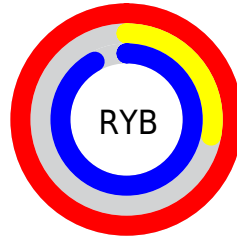
Distribution



Red (100%)

Green (28%)

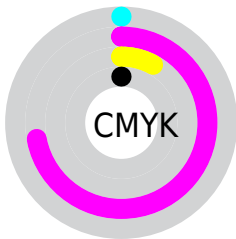
Blue (92%)



Red (100%)

Yellow (28%)

Blue (92%)

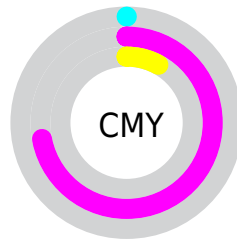


Cyan (0%)

Magenta (72%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7070, 0.3413, 0.1855 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 31.7070, 0.3413, 0.1855 by changing the saturation by 10% instead.

 31.7070, 0.3413,
0.1855


 31.7070, 0.3413,
0.1855


309.7824, 0.3304,
0.2507


 21.1378, 0.3430,
0.1713


 62.3515, 0.3381,
0.2076

 13.2248, 0.3448,
0.1543


 83.1955, 0.3367,
0.2164

 7.5835, 0.3463,
0.1337


 108.2333, 0.3354,
0.2240

 3.8296, 0.3470,
0.1086

 137.8493, 0.3342,
0.2307

 1.5787, 0.3456,
0.0781

172.4278, 0.3331,
0.2365

 0.3432, 0.3421,
0.0336

212.3532, 0.3322,

 0.0000, 0.3211,

0.2418

0.0000

258.0099, 0.3313,
0.2465

■ 0.0000, 0.1984,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.7070, 0.3413,
0.1855

■ 31.7070, 0.3413,
0.1855

■ 28.9492, 0.3456,
0.1767

■ 35.8302, 0.3368,
0.1987


■ 27.3692, 0.3496,
0.1724

■ 41.4656, 0.3323,
0.2156


■ 26.7407, 0.3526,
0.1716

■ 48.7461, 0.3279,
0.2354

■ 57.7889, 0.3237,
0.2571

 68.7005, 0.3199,
0.2797

 81.5788, 0.3164,
0.3023

 96.5151, 0.3133,
0.3244

99.9958, 0.3127,
0.3290

Harmonies

Analogous

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



31.7070, 0.2103, 0.1464



31.7070, 0.3413, 0.1855



31.7070, 0.4969, 0.2499

Triad

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



31.7070, 0.3413, 0.1855



31.7070, 0.4728, 0.5118



31.7070, 0.1002, 0.2371

Complementary

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



31.7070, 0.3413, 0.1855



73.6205, 0.2960, 0.5408

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.



31.7070, 0.1412, 0.3961



31.7070, 0.3413, 0.1855



31.7070, 0.3540, 0.6015

Square

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



31.7070, 0.3413, 0.1855



31.7070, 0.5644, 0.4102



31.7070, 0.2343, 0.5757



31.7070, 0.1003, 0.1609

Rectangle

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



31.7070, 0.3413, 0.1855



31.7070, 0.5684, 0.2998



31.7070, 0.2343, 0.5757



31.7070, 0.1084, 0.2802

Sweetspot

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



31.7085, 0.3413, 0.1855



68.8755, 0.3198, 0.2800



13.8768, 0.1821, 0.1033



14.0664, 0.3208, 0.2738



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.



31.7085, 0.3413, 0.1855



28.0519, 0.3476, 0.1740



27.8009, 0.4590, 0.2627



18.2626, 0.3156, 0.3082



13.9896, 0.3520, 0.1713



1.3718, 0.3480, 0.1691

Inverse Universe

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



31.7085, 0.3413, 0.1855



28.0519, 0.3476, 0.1740



76.2001, 0.2609, 0.4254



18.2626, 0.3156, 0.3082



13.9896, 0.3520, 0.1713



1.3718, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 31.7070, 0.3413, 0.1855 looks on a white background.

Color Contrast Check

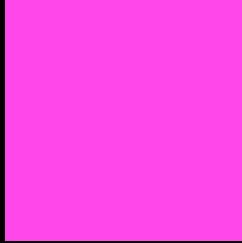
Large Text (above 18pt) WCAG AA × Fail

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 31.7070, 0.3413, 0.1855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

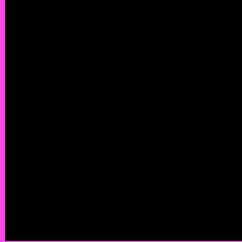
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7070, 0.3413, 0.1855

Background



This preview shows how black text looks on a background with the Yxy color 31.7070, 0.3413, 0.1855.



This preview shows how white text looks on a background with the Yxy color 31.7070, 0.3413, 0.1855.

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

31.7070, 0.3413, 0.1855

Protanopia

32.2208, 0.2113, 0.1937

Deuteranopia

32.0904, 0.2373, 0.2316



Tritanopia

31.4909, 0.4681, 0.3222

Trichromacy



Original Color

31.7070, 0.3413, 0.1855



Protanomaly

27.9672, 0.2431, 0.1774



Deuteranomaly

28.4276, 0.2669, 0.2006



Tritanomaly

30.6780, 0.4208, 0.2641

Monochromacy



Original Color

31.7070, 0.3413, 0.1855



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.4455, 0.3255, 0.2501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7070, 0.3413, 0.1855 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(255, 71, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 234)  
}
```

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(255, 71, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 234) }
```

Border

The CSS property to change the border of an element to Yxy 31.7070, 0.3413, 0.1855 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(255, 71, 234) }
```

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

```
.border{ border-color:rgb(255, 71, 234) }
```

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

Here you see how a box with a 4 pixel rgb(255, 71, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7070, 0.3413, 0.1855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 234) }
```

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

```
.background{ background-color: rgb(255, 71,  
234) }
```

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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