

Converting Colors

$Y_{xy}(31.4574, 0.3375, 0.1867)$

Have a look what the booklet for
Yxy(31.4574, 0.3375, 0.1867)
contains.

Yxy(31.3761, 0.3371, 0.1865)	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(31.3761, 0.3371, 0.1865)

Conversions

Conversions Part 1

Format	Color
Hex	FA4CE9
RGB	250, 76, 233
RGB Percent	98%, 30%, 91%
CMY	0.0196, 0.7018, 0.0863
CMYK	0.00, 0.70, 0.07, 0.02
HSL	306°, 95%, 64%
HSV	306°, 70%, 98%
XYZ	56.7125, 31.3761, 80.1479
YIQ	145.9240, 53.3070, 85.7150

Conversions

Conversions Part 2

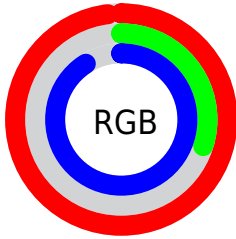
Format	Color
R_{YB}	250, 76, 233
Decimal	16403689
CIE _{Lab}	62.82, 81.18, -44.68
CIE _{LCh}	63, 92.662, 331.173
Yxy	31.3761, 0.3371, 0.1865
Android (android.graphics.Color)	4294593769 (0xFFFA4CE9)
YUV	145.9240, 42.9285, 91.2747
Hunter-Lab	56.0144, 82.6996, -45.6247

Details

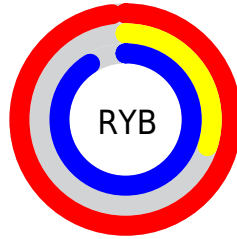
The Yxy color **31.3761, 0.3371, 0.1865** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **70.6942, 0.2970, 0.5364**, and the grayscale version is **28.5216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6570, 0.3180, 0.2170**, and **14.1215, 0.3389, 0.1641** is the 20% darker color. If you saturate the color by 10%, you get **28.4363, 0.3409, 0.1763**, and if you desaturate by 10%, it is **35.6581, 0.3332, 0.2009**.

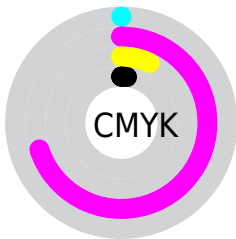
Distribution



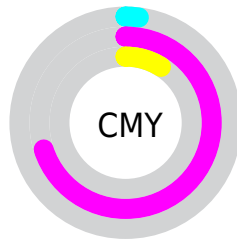
- Red (98%)
- Green (30%)
- Blue (91%)



- Red (98%)
- Yellow (30%)
- Blue (91%)



- Cyan (0%)
- Magenta (70%)
- Yellow (7%)
- Black (2%)





- Cyan (2%)
- Magenta (70%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3761, 0.3371, 0.1865 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 31.3761, 0.3371, 0.1865 by changing the saturation by 10% instead.


 31.3761, 0.3371,
0.1865


 31.3761, 0.3371,
0.1865

308.2673, 0.3283,
0.2515

 20.8854, 0.3384,
0.1723


 61.8317, 0.3346,
0.2086

 13.0403, 0.3395,
0.1552


 82.5654, 0.3335,
0.2174

 7.4563, 0.3402,
0.1345


 107.4823, 0.3324,
0.2249

 3.7491, 0.3398,
0.1092

 136.9667, 0.3314,
0.2316

 1.5342, 0.3369,
0.0784

171.4029, 0.3306,
0.2374

 0.3126, 0.3315,
0.0319

211.1756, 0.3297,

 0.0000, 0.3058,

0.2426

0.0000

256.6689, 0.3290,
0.2473

■ 0.0000, 0.1417,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.3761, 0.3371,
0.1865

■ 31.3761, 0.3371,
0.1865

■ 28.4363, 0.3409,
0.1763

■ 35.6581, 0.3332,
0.2009

■ 26.6695, 0.3444,
0.1707


■ 41.4165, 0.3292,
0.2189

■ 25.8169, 0.3476,
0.1689

■ 48.7740, 0.3254,
0.2395

■ 25.7890, 0.3477,
0.1689


■ 57.8394, 0.3218,
0.2618

 68.7119, 0.3184,
0.2848

 81.4831, 0.3153,
0.3077

 96.2384, 0.3126,
0.3299

 98.9046, 0.3110,
0.3314

 99.0610, 0.3096,
0.3290

Harmonies

Analogous

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



31.3761, 0.2097, 0.1485



31.3761, 0.3371, 0.1865



31.3761, 0.4894, 0.2498

Triad

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



31.3761, 0.3371, 0.1865



31.3761, 0.4745, 0.5077



31.3761, 0.1038, 0.2424

Complementary

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



31.3761, 0.3371, 0.1865



70.6942, 0.2970, 0.5364

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.



31.3761, 0.1462, 0.3999



31.3761, 0.3371, 0.1865



31.3761, 0.3582, 0.5949

Square

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



31.3761, 0.3371, 0.1865



31.3761, 0.5625, 0.4085



31.3761, 0.2397, 0.5720



31.3761, 0.1027, 0.1650

Rectangle

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



31.3761, 0.3371, 0.1865



31.3761, 0.5613, 0.2992



31.3761, 0.2397, 0.5720



31.3761, 0.1125, 0.2856

Sweetspot

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



31.3776, 0.3371, 0.1865



70.1309, 0.3188, 0.2814



14.2745, 0.1850, 0.1095



14.3130, 0.3198, 0.2751



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.



31.3776, 0.3371, 0.1865



28.7762, 0.3425, 0.1732



27.6495, 0.4466, 0.2606



17.4936, 0.3153, 0.3079



13.6925, 0.3472, 0.1686



1.2764, 0.3437, 0.1667

Inverse Universe

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



31.3776, 0.3371, 0.1865



28.7762, 0.3425, 0.1732



73.0978, 0.2628, 0.4254



17.4936, 0.3153, 0.3079



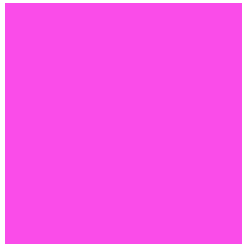
13.6925, 0.3472, 0.1686



1.2764, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 31.3761, 0.3371, 0.1865 looks on a white background.

Color Contrast Check

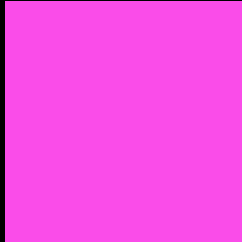
Large Text (above 18pt) WCAG AA × Fail

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 31.3761, 0.3371, 0.1865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

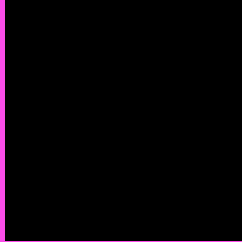
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3761, 0.3371, 0.1865

Background



This preview shows how black text looks on a background with the Yxy color 31.3761, 0.3371, 0.1865.

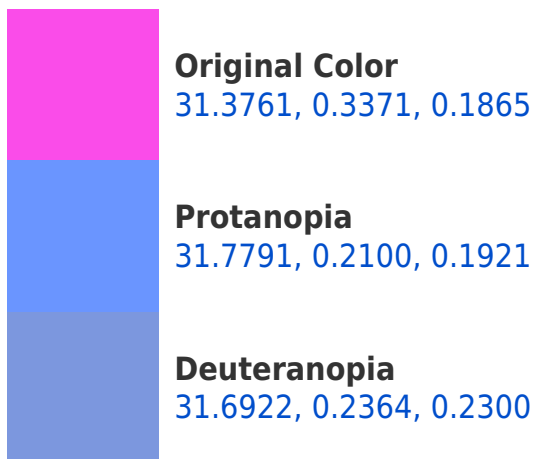


This preview shows how white text looks on a background with the Yxy color 31.3761, 0.3371, 0.1865.

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

31.1215, 0.4582, 0.3208

Trichromacy



Original Color

31.3761, 0.3371, 0.1865



Protanomaly

27.9036, 0.2409, 0.1776



Deuteranomaly

28.4523, 0.2652, 0.2012



Tritanomaly

30.3741, 0.4133, 0.2642

Monochromacy



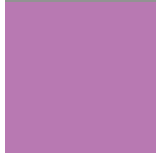
Original Color

31.3761, 0.3371, 0.1865



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.0794, 0.3230, 0.2525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3761, 0.3371, 0.1865 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(250, 76, 233)` looks like.

```
.text, #text, p{  
    color:rgb(250, 76, 233)  
}
```

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(250, 76, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 76, 233) }
```

Border

The CSS property to change the border of an element to Yxy 31.3761, 0.3371, 0.1865 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(250, 76, 233) }
```

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

```
.border{ border-color:rgb(250, 76, 233) }
```

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

Here you see how a box with a 4 pixel rgb(250, 76, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 76, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 76, 233);  
box-shadow:4px 4px 4px 4px rgb(250, 76,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3761, 0.3371, 0.1865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 76, 233) }
```

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

```
.background{ background-color: rgb(250, 76,  
233) }
```

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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