

Converting Colors

Yxy(31.1713, 0.3677, 0.2064)

Have a look what the booklet for
Yxy(31.1713, 0.3677, 0.2064)
contains.

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Color

Yxy(31.2209, 0.3682, 0.2070)

Conversions

Conversions Part 1

Format	Color
Hex	FF4DD2
RGB	255, 77, 210
RGB Percent	100%, 30%, 82%
CMY	0.0000, 0.6981, 0.1765
CMYK	0.00, 0.70, 0.18, 0.00
HSL	315°, 100%, 65%
HSV	315°, 70%, 100%
XYZ	55.5340, 31.2209, 64.0707
YIQ	145.3840, 63.3950, 79.0990

Conversions

Conversions Part 2

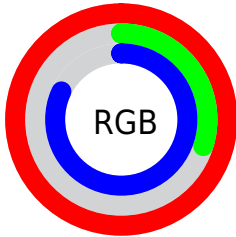
Format	Color
R _Y B	255, 77, 210
Decimal	16731602
CIE Lab	62.69, 78.80, -31.92
CIE LCh	63, 85.022, 337.951
Yxy	31.2209, 0.3682, 0.2070
Android (android.graphics.Color)	4294921682 (0xFFFF4DD2)
YUV	145.3840, 31.8557, 96.1332
Hunter-Lab	55.8757, 79.6261, -28.8729

Details

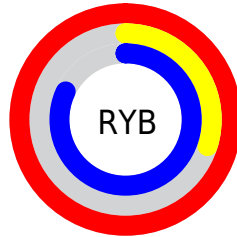
The Yxy color **31.2209, 0.3682, 0.2070** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **74.5012, 0.2872, 0.5055**, and the grayscale version is **28.3210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9452, 0.3179, 0.2178**, and **13.8359, 0.3796, 0.1865** is the 20% darker color. If you saturate the color by 10%, you get **28.0075, 0.3786, 0.1990**, and if you desaturate by 10%, it is **35.8370, 0.3579, 0.2193**.

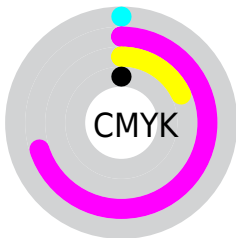
Distribution



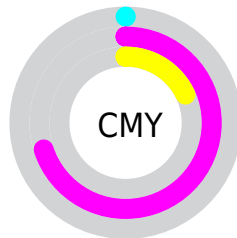
- Red (100%)
- Green (30%)
- Blue (82%)



- Red (100%)
- Yellow (30%)
- Blue (82%)



- Cyan (0%)
- Magenta (70%)
- Yellow (18%)
- Black (0%)




- Cyan (0%)
- Magenta (70%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2209, 0.3682, 0.2070 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 31.2209, 0.3682, 0.2070 by changing the saturation by 10% instead.


 31.2209, 0.3682,
0.2070


 31.2209, 0.3682,
0.2070


307.5547, 0.3422,
0.2644


 20.7671, 0.3741,
0.1939


 61.5877, 0.3592,
0.2270


 12.9539, 0.3814,
0.1779


 82.2695, 0.3557,
0.2347

 7.3968, 0.3904,
0.1578

 107.1294, 0.3526,
0.2414

 3.7115, 0.4018,
0.1324

 136.5518, 0.3500,
0.2472

 1.5135, 0.4163,
0.0998

170.9212, 0.3477,
0.2523

 0.2982, 0.4417,
0.0428

210.6219, 0.3456,

 0.0000, 0.4598,

0.2568

0.0000

256.0382, 0.3438,
0.2608

■ 0.0000, 0.4141,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.2209, 0.3682,
0.2070

■ 31.2209, 0.3682,
0.2070

■ 28.0075, 0.3786,
0.1990

■ 35.8370, 0.3579,
0.2193

■ 26.0337, 0.3889,
0.1959

■ 42.0133, 0.3481,
0.2349

■ 25.0170, 0.3989,
0.1972

■ 49.8738, 0.3392,
0.2528

■ 25.0014, 0.3991,
0.1972

■ 59.5331, 0.3311,
0.2720

71.0958, 0.3240,
0.2916

84.6582, 0.3179,
0.3108

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



31.2209, 0.2398, 0.1641



31.2209, 0.3682, 0.2070



31.2209, 0.5026, 0.2719

Triad

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



31.2209, 0.3682, 0.2070



31.2209, 0.4466, 0.5223



31.2209, 0.1119, 0.2280

Complementary

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



31.2209, 0.3682, 0.2070



74.5012, 0.2872, 0.5055

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.



31.2209, 0.1442, 0.3570



31.2209, 0.3682, 0.2070



31.2209, 0.3352, 0.5827

Square

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



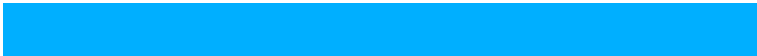
31.2209, 0.3682, 0.2070



31.2209, 0.5354, 0.4301



31.2209, 0.2243, 0.5216



31.2209, 0.1176, 0.1664

Rectangle

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



31.2209, 0.3682, 0.2070



31.2209, 0.5559, 0.3210



31.2209, 0.2243, 0.5216



31.2209, 0.1179, 0.2627

Sweetspot

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



31.2171, 0.3682, 0.2070



69.6220, 0.3248, 0.2892



16.6238, 0.2024, 0.1174



14.1906, 0.3267, 0.2838



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.



31.2171, 0.3682, 0.2070



27.0423, 0.3830, 0.1971



27.9564, 0.4910, 0.2898



18.2173, 0.3177, 0.3114



13.0891, 0.3975, 0.1963



1.2920, 0.3868, 0.1904

Inverse Universe

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



31.2171, 0.3682, 0.2070



27.0423, 0.3830, 0.1971



77.7745, 0.2501, 0.3852



18.2173, 0.3177, 0.3114



13.0891, 0.3975, 0.1963



1.2920, 0.3868, 0.1904

Previews

White Background



This preview shows how the Yxy color 31.2209, 0.3682, 0.2070 looks on a white background.

Color Contrast Check

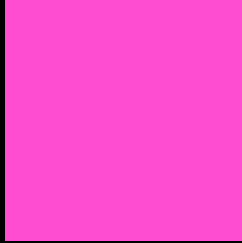
Large Text (above 18pt) WCAG AA × Fail

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 31.2209, 0.3682, 0.2070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

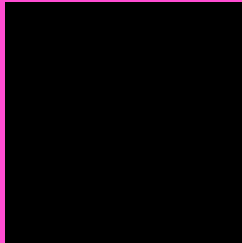
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2209, 0.3682, 0.2070

Background



This preview shows how black text looks on a background with the Yxy color 31.2209, 0.3682, 0.2070.

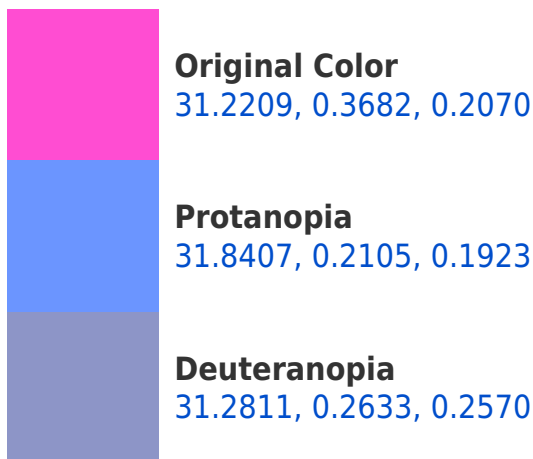


This preview shows how white text looks on a background with the Yxy color 31.2209, 0.3682, 0.2070.

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

31.0932, 0.4785, 0.3225

Trichromacy



Original Color

31.2209, 0.3682, 0.2070



Protanomaly

27.9750, 0.2484, 0.1860



Deuteranomaly

28.4228, 0.2958, 0.2263



Tritanomaly

30.4623, 0.4397, 0.2762

Monochromacy



Original Color

31.2209, 0.3682, 0.2070



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.6118, 0.3342, 0.2625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2209, 0.3682, 0.2070 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, 77, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 210)  
}
```

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, 77, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 210) }
```

Border

The CSS property to change the border of an element to Yxy 31.2209, 0.3682, 0.2070 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, 77, 210) }
```

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

```
.border{ border-color:rgb(255, 77, 210) }
```

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

Here you see how a box with a 4 pixel rgb(255, 77, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2209, 0.3682, 0.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 210) }
```

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

```
.background{ background-color: rgb(255, 77,  
210) }
```

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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