

Converting Colors

$Y_{xy}(31.0795, 0.3619, 0.2008)$

Have a look what the booklet for
Yxy(31.0795, 0.3619, 0.2008)
contains.

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Color

Yxy(31.1154, 0.3613, 0.2005)

Conversions

Conversions Part 1

Format	Color
Hex	FF4AD8
RGB	255, 74, 216
RGB Percent	100%, 29%, 85%
CMY	0.0002, 0.7095, 0.1530
CMYK	0.00, 0.71, 0.15, 0.00
HSL	313°, 100%, 65%
HSV	313°, 71%, 100%
XYZ	56.0698, 31.1154, 68.0038
YIQ	144.3070, 62.2940, 82.5340

Conversions

Conversions Part 2

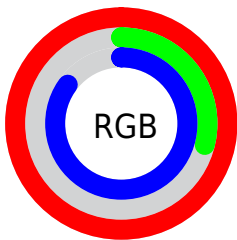
Format	Color
R _{YB}	255, 74, 216
Decimal	16730840
CIE _{Lab}	62.60, 80.53, -35.43
CIE _{LCh}	63, 87.977, 336.250
Yxy	31.1154, 0.3613, 0.2005
Android (android.graphics.Color)	4294920920 (0xFFFF4AD8)
YUV	144.3070, 35.3446, 97.0778
Hunter-Lab	55.7812, 81.8065, -33.2347

Details

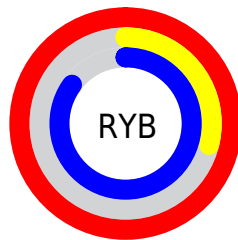
The Yxy color **31.1154, 0.3613, 0.2005** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **74.1456, 0.2897, 0.5168**, and the grayscale version is **27.8689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3713, 0.3180, 0.2161**, and **14.0425, 0.3694, 0.1809** is the 20% darker color. If you saturate the color by 10%, you get **28.0914, 0.3700, 0.1925**, and if you desaturate by 10%, it is **35.5307, 0.3527, 0.2129**.

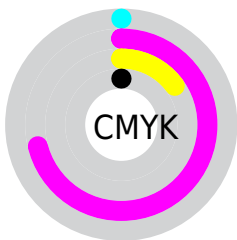
Distribution



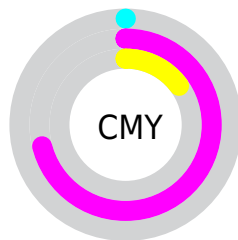
- Red (100%)
- Green (29%)
- Blue (85%)



- Red (100%)
- Yellow (29%)
- Blue (85%)



- Cyan (0%)
- Magenta (71%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (71%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1154, 0.3613, 0.2005 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 31.1154, 0.3613, 0.2005 by changing the saturation by 10% instead.


 31.1154, 0.3613,
0.2005


 31.1154, 0.3613,
0.2005


307.0696, 0.3392,
0.2604


 20.6867, 0.3661,
0.1870


 61.4217, 0.3538,
0.2212


 12.8952, 0.3718,
0.1706

 82.0682, 0.3508,
0.2293

 7.3564, 0.3788,
0.1502


 106.8893, 0.3483,
0.2363

 3.6860, 0.3871,
0.1246

 136.2696, 0.3460,
0.2423

 1.4995, 0.3969,
0.0924

170.5933, 0.3440,
0.2477

 0.2884, 0.4136,
0.0378

210.2450, 0.3422,

 0.0000, 0.4171,

0.2524

0.0000

255.6090, 0.3407,
0.2566

■ 0.0000, 0.2626,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.1154, 0.3613,
0.2005

■ 31.1154, 0.3613,
0.2005

■ 28.0914, 0.3700,
0.1925

■ 35.5307, 0.3527,
0.2129

■ 26.2758, 0.3784,
0.1892

■ 41.4813, 0.3444,
0.2288

■ 25.4231, 0.3857,
0.1898

■ 49.0982, 0.3366,
0.2472

■ 58.4972, 0.3296,
0.2671

69.7839, 0.3233,
0.2875

83.0552, 0.3178,
0.3077

98.4018, 0.3131,
0.3272

99.9920, 0.3127,
0.3290

Harmonies

Analogous

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



31.1154, 0.2312, 0.1585



31.1154, 0.3613, 0.2005



31.1154, 0.5025, 0.2655

Triad

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



31.1154, 0.3613, 0.2005



31.1154, 0.4541, 0.5206



31.1154, 0.1078, 0.2296

Complementary

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



31.1154, 0.3613, 0.2005



74.1456, 0.2897, 0.5168

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.



31.1154, 0.1424, 0.3670



31.1154, 0.3613, 0.2005



31.1154, 0.3402, 0.5902

Square

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



31.1154, 0.3613, 0.2005



31.1154, 0.5442, 0.4249



31.1154, 0.2264, 0.5377



31.1154, 0.1120, 0.1641

Rectangle

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



31.1154, 0.3613, 0.2005



31.1154, 0.5609, 0.3149



31.1154, 0.2264, 0.5377



31.1154, 0.1144, 0.2666

Sweetspot

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



31.1169, 0.3613, 0.2005



69.7424, 0.3234, 0.2874



15.4566, 0.1946, 0.1116



14.2194, 0.3250, 0.2817



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.



31.1169, 0.3613, 0.2005



27.2309, 0.3734, 0.1906



27.7275, 0.4822, 0.2809



18.2294, 0.3171, 0.3105



13.3121, 0.3844, 0.1891



1.3120, 0.3757, 0.1843

Inverse Universe

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



31.1169, 0.3613, 0.2005



27.2309, 0.3734, 0.1906



77.1548, 0.2535, 0.3985



18.2294, 0.3171, 0.3105



13.3121, 0.3844, 0.1891



1.3120, 0.3757, 0.1843

Previews

White Background



This preview shows how the Yxy color 31.1154, 0.3613, 0.2005 looks on a white background.

Color Contrast Check

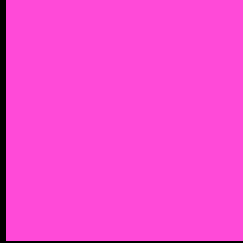
Large Text (above 18pt) WCAG AA × Fail

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 31.1154, 0.3613, 0.2005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

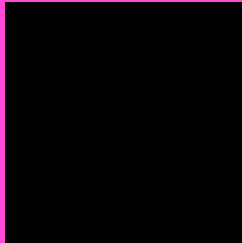
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1154, 0.3613, 0.2005

Background



This preview shows how black text looks on a background with the Yxy color 31.1154, 0.3613, 0.2005.

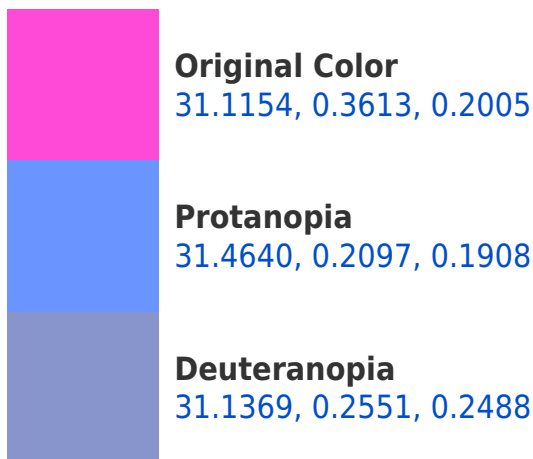


This preview shows how white text looks on a background with the Yxy color 31.1154, 0.3613, 0.2005.

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

30.9128, 0.4776, 0.3224

Trichromacy



Original Color

31.1154, 0.3613, 0.2005



Protanomaly

27.4992, 0.2460, 0.1818



Deuteranomaly

28.1062, 0.2874, 0.2179



Tritanomaly

30.3472, 0.4373, 0.2732

Monochromacy



Original Color

31.1154, 0.3613, 0.2005



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

26.2863, 0.3321, 0.2596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1154, 0.3613, 0.2005 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, 74, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 74, 216)  
}
```

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, 74, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 74, 216) }
```

Border

The CSS property to change the border of an element to Yxy 31.1154, 0.3613, 0.2005 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, 74, 216) }
```

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

```
.border{ border-color:rgb(255, 74, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 74, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 74, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 74, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 74,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1154, 0.3613, 0.2005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 74, 216) }
```

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

```
.background{ background-color: rgb(255, 74,  
216) }
```

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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