

Converting Colors

Yxy(31.6913, 0.4054, 0.2426)

Have a look what the booklet for
Yxy(31.6913, 0.4054, 0.2426)
contains.

Yxy(31.6594, 0.4055, 0.2425)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.6594, 0.4055, 0.2425)

Conversions

Conversions Part 1

Format	Color
Hex	FF59B3
RGB	255, 89, 179
RGB Percent	100%, 35%, 70%
CMY	0.0001, 0.6508, 0.2981
CMYK	0.00, 0.65, 0.30, 0.00
HSL	327°, 100%, 67%
HSV	327°, 65%, 100%
XYZ	52.9397, 31.6594, 45.9551
YIQ	148.8940, 70.0460, 63.1820

Conversions

Conversions Part 2

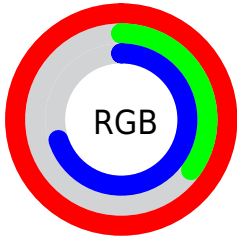
Format	Color
R _Y B	255, 89, 179
Decimal	16734643
CIE Lab	63.06, 70.61, -13.71
CIE LCh	63, 71.929, 349.011
Yxy	31.6594, 0.4055, 0.2425
Android (android.graphics.Color)	4294924723 (0xFFFF59B3)
YUV	148.8940, 14.8423, 93.0550
Hunter-Lab	56.2667, 69.4789, -9.0377

Details

The Yxy color **31.6594, 0.4055, 0.2425** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **76.3475, 0.2731, 0.4467**, and the grayscale version is **29.9290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4380, 0.3346, 0.2426**, and **13.1928, 0.4338, 0.2191** is the 20% darker color. If you saturate the color by 10%, you get **27.6721, 0.4273, 0.2363**, and if you desaturate by 10%, it is **37.1589, 0.3853, 0.2526**.

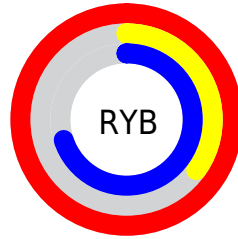
Distribution



Red (100%)

Green (35%)

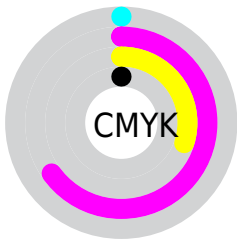
Blue (70%)



Red (100%)

Yellow (35%)

Blue (70%)

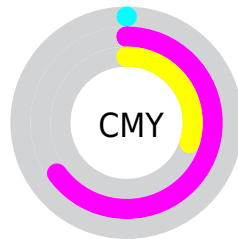


Cyan (0%)

Magenta (65%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (65%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6594, 0.4055, 0.2425 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 31.6594, 0.4055, 0.2425 by changing the saturation by 10% instead.


 31.6594, 0.4055,
0.2425


 31.6594, 0.4055,
0.2425


309.5648, 0.3580,
0.2854


 21.1015, 0.4176,
0.2320


 62.2768, 0.3880,
0.2579

 13.1982, 0.4333,
0.2187


 83.1050, 0.3815,
0.2638

 7.5652, 0.4544,
0.2014


 108.1254, 0.3760,
0.2687

 3.8180, 0.4839,
0.1781

 137.7225, 0.3714,
0.2730

 1.5723, 0.5279,
0.1453

172.2805, 0.3673,
0.2767

 0.3388, 0.6127,
0.0766

212.1840, 0.3638,

 0.0000, 0.8915,

0.2799

0.0000

257.8173, 0.3607,
0.2828

0.0000, 0.0000,
0.0000

31.6594, 0.4055,
0.2425

31.6594, 0.4055,
0.2425

27.6721, 0.4273,
0.2363

37.1589, 0.3853,
0.2526

25.0319, 0.4496,
0.2350

44.3030, 0.3671,
0.2653


23.5434, 0.4715,
0.2393

53.2153, 0.3513,
0.2793

23.0955, 0.4820,
0.2429

64.0059, 0.3378,
0.2939

76.7760, 0.3264,
0.3084

 91.6195, 0.3169,
0.3222

99.9950, 0.3127,
0.3290

Harmonies

Analogous

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



31.6594, 0.2883, 0.1947



31.6594, 0.4055, 0.2425



31.6594, 0.5034, 0.3068

Triad

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



31.6594, 0.4055, 0.2425



31.6594, 0.4030, 0.5250



31.6594, 0.1326, 0.2181

Complementary

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



31.6594, 0.4055, 0.2425



76.3475, 0.2731, 0.4467

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.



31.6594, 0.1505, 0.3087



31.6594, 0.4055, 0.2425



31.6594, 0.3021, 0.5350

Square

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



31.6594, 0.4055, 0.2425



31.6594, 0.4881, 0.4562



31.6594, 0.2090, 0.4413



31.6594, 0.1488, 0.1770

Rectangle

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



31.6594, 0.4055, 0.2425



31.6594, 0.5309, 0.3542



31.6594, 0.2090, 0.4413



31.6594, 0.1345, 0.2422

Sweetspot

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



31.6611, 0.4055, 0.2425



70.2515, 0.3317, 0.3013



22.2327, 0.2363, 0.1425



14.2846, 0.3350, 0.2972



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.



31.6611, 0.4055, 0.2425



26.7748, 0.4338, 0.2353



29.2768, 0.5173, 0.3223



18.1518, 0.3209, 0.3162



12.1013, 0.4786, 0.2410



1.2003, 0.4556, 0.2284

Inverse Universe

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



31.6611, 0.4055, 0.2425



26.7748, 0.4338, 0.2353



80.3248, 0.2387, 0.3386



18.1518, 0.3209, 0.3162



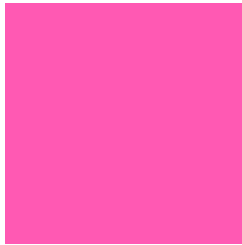
12.1013, 0.4786, 0.2410



1.2003, 0.4556, 0.2284

Previews

White Background



This preview shows how the Yxy color 31.6594, 0.4055, 0.2425 looks on a white background.

Color Contrast Check

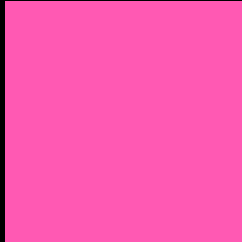
Large Text (above 18pt) WCAG AA × Fail

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 31.6594, 0.4055, 0.2425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

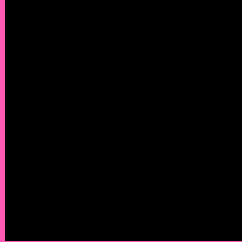
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6594, 0.4055, 0.2425

Background



This preview shows how black text looks on a background with the Yxy color 31.6594, 0.4055, 0.2425.



This preview shows how white text looks on a background with the Yxy color 31.6594, 0.4055, 0.2425.

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

31.6594, 0.4055, 0.2425

Protanopia

32.1530, 0.2404, 0.2310

Deuteranopia

31.8708, 0.3042, 0.2983



Tritanopia

31.5970, 0.4840, 0.3227

Trichromacy



Original Color

31.6594, 0.4055, 0.2425



Protanomaly

29.0085, 0.2863, 0.2273



Deuteranomaly

29.7980, 0.3399, 0.2691



Tritanomaly

31.3967, 0.4575, 0.2928

Monochromacy



Original Color

31.6594, 0.4055, 0.2425



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.4082, 0.3468, 0.2841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6594, 0.4055, 0.2425 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, 89, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 89, 179)  
}
```

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, 89, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 179) }
```

Border

The CSS property to change the border of an element to Yxy 31.6594, 0.4055, 0.2425 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, 89, 179) }
```

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

```
.border{ border-color:rgb(255, 89, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 89, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 89, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 89, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 89,  
179) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.6594, 0.4055, 0.2425$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 89, 179) }
```

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

```
.background{ background-color: rgb(255, 89,  
179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor