

Converting Colors

$Yxy(21.5463, 0.4059, 0.2010)$

Have a look what the booklet for
Yxy(21.5463, 0.4059, 0.2010)
contains.

Yxy(21.5813, 0.4070, 0.2016)	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(21.5813, 0.4070, 0.2016)

Conversions

Conversions Part 1

Format	Color
Hex	F000AE
RGB	240, 0, 174
RGB Percent	94%, 0%, 68%
CMY	0.0589, 0.9991, 0.3178
CMYK	0.00, 1.00, 0.28, 0.06
HSL	317°, 100%, 47%
HSV	317°, 100%, 94%
XYZ	43.5694, 21.5813, 41.8994
YIQ	91.5960, 87.1860, 104.9940

Conversions

Conversions Part 2

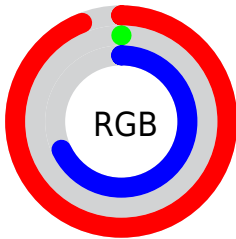
Format	Color
RYB	240, 0, 174
Decimal	15728814
CIELab	53.58, 85.61, -25.51
CIELCh	54, 89.329, 343.409
Yxy	21.5813, 0.4070, 0.2016
Android (android.graphics.Color)	4293918894 (0xFFFF00AE)
YUV	91.5960, 40.6252, 130.1503
Hunter-Lab	46.4557, 86.1124, -20.9560

Details

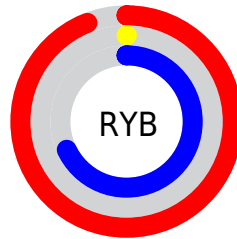
The Yxy color **21.5813, 0.4070, 0.2016** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **62.7094, 0.2911, 0.5677**, and the grayscale version is **10.5244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7085, 0.3438, 0.2050**, and **10.9642, 0.4235, 0.2106** is the 20% darker color. If you saturate the color by 10%, you get **21.5754, 0.4071, 0.2016**, and if you desaturate by 10%, it is **22.5041, 0.3959, 0.1999**.

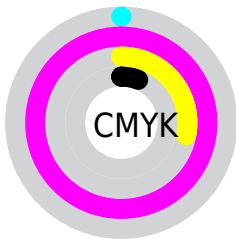
Distribution



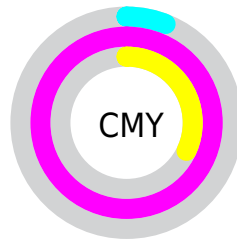
- Red (94%)
- Green (0%)
- Blue (68%)



- Red (94%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5813, 0.4070, 0.2016 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 21.5813, 0.4070, 0.2016 by changing the saturation by 10% instead.


 21.5813, 0.4070,
0.2016


 21.5813, 0.4070,
0.2016


260.3519, 0.3583,
0.2651


 13.5496, 0.4195,
0.1862


 46.0530, 0.3890,
0.2244

 7.8081, 0.4356,
0.1668


 63.2618, 0.3823,
0.2331


 3.9724, 0.4572,
0.1420


 84.2983, 0.3767,
0.2405

 1.6581, 0.4870,
0.1097

 109.5471, 0.3719,
0.2468

 0.3963, 0.5364,
0.0569

 139.3924, 0.3678,
0.2523

 0.0000, 0.6061,
0.0000

174.2187, 0.3642,

 0.0000, 1.0000,

0.2571

0.0000

214.4104, 0.3611,
0.2613

■ 0.0000, 0.0000,
0.0000

■ 21.5813, 0.4070,
0.2016

■ 21.5813, 0.4070,
0.2016

■ 21.5754, 0.4071,
0.2016

■ 22.5041, 0.3959,
0.1999

■ 24.2503, 0.3845,
0.2027

■ 27.0712, 0.3729,
0.2104

■ 31.1165, 0.3616,
0.2223

■ 36.5122, 0.3509,
0.2376

■ 43.3686, 0.3412,
0.2550

■ 51.7845, 0.3325,
0.2736

■ 61.8501, 0.3248,
0.2926

■ 73.6486, 0.3183,
0.3112

Harmonies

Analogous

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



21.5813, 0.2500, 0.1505



21.5813, 0.4070, 0.2016



21.5813, 0.5578, 0.2735

Triad

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



21.5813, 0.4070, 0.2016



21.5813, 0.4297, 0.5604



21.5813, 0.0876, 0.1916

Complementary

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



21.5813, 0.4070, 0.2016



62.7094, 0.2911, 0.5677

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.



21.5813, 0.1100, 0.3229



21.5813, 0.4070, 0.2016



21.5813, 0.3020, 0.6315

Square

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



21.5813, 0.4070, 0.2016



21.5813, 0.5430, 0.4472



21.5813, 0.1846, 0.5324



21.5813, 0.1010, 0.1388

Rectangle

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



21.5813, 0.4070, 0.2016



21.5813, 0.6019, 0.3253



21.5813, 0.1846, 0.5324



21.5813, 0.0905, 0.2244

Sweetspot

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



21.5825, 0.4070, 0.2016



59.2371, 0.3326, 0.2733



7.3904, 0.1651, 0.0683



11.7596, 0.3362, 0.2653



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.



21.5825, 0.4070, 0.2016



24.7540, 0.4074, 0.2018



18.8147, 0.6015, 0.3088



15.9528, 0.3180, 0.3120



11.8359, 0.4054, 0.2007



1.0013, 0.3917, 0.1931

Inverse Universe

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



21.5825, 0.4070, 0.2016



24.7540, 0.4074, 0.2018



65.7757, 0.2464, 0.4071



15.9528, 0.3180, 0.3120



11.8359, 0.4054, 0.2007



1.0013, 0.3917, 0.1931

Previews

White Background



This preview shows how the Yxy color 21.5813, 0.4070, 0.2016 looks on a white background.

Color Contrast Check

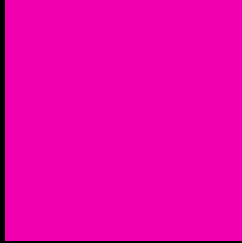
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5813, 0.4070, 0.2016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

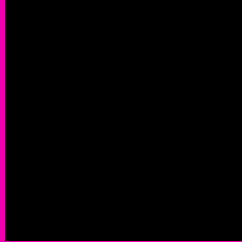
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5813, 0.4070, 0.2016

Background



This preview shows how black text looks on a background with the Yxy color 21.5813, 0.4070, 0.2016.



This preview shows how white text looks on a background with the Yxy color 21.5813, 0.4070, 0.2016.

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

21.5813, 0.4070, 0.2016

Protanopia

22.6911, 0.1870, 0.1611

Deuteranopia

22.1831, 0.2744, 0.2686



Tritanopia

22.0478, 0.5476, 0.3272

Trichromacy



Original Color

21.5813, 0.4070, 0.2016



Protanomaly

15.3934, 0.2229, 0.1399



Deuteranomaly

16.8904, 0.3184, 0.2080



Tritanomaly

20.7384, 0.5070, 0.2749

Monochromacy



Original Color

21.5813, 0.4070, 0.2016



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.6441, 0.3591, 0.2258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5813, 0.4070, 0.2016 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(240, 0, 174)` looks like.

```
.text, #text, p{  
  color:rgb(240, 0, 174)  
}
```

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(240, 0, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 174) }
```

Border

The CSS property to change the border of an element to Yxy 21.5813, 0.4070, 0.2016 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(240, 0, 174) }
```

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

```
.border{ border-color:rgb(240, 0, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 0, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 174);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5813, 0.4070, 0.2016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 174) }
```

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

```
.background{ background-color: rgb(240, 0,  
174) }
```

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