

Converting Colors

Yxy(21.1586, 0.4223, 0.2100)

Have a look what the booklet for
Yxy(21.1586, 0.4223, 0.2100)
contains.

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Color

Yxy(21.2056, 0.4229, 0.2104)

Conversions

Conversions Part 1

Format	Color
Hex	F000A4
RGB	240, 0, 164
RGB Percent	94%, 0%, 64%
CMY	0.0590, 0.9982, 0.3569
CMYK	0.00, 1.00, 0.32, 0.06
HSL	319°, 100%, 47%
HSV	319°, 100%, 94%
XYZ	42.6229, 21.2056, 36.9586
YIQ	90.4560, 90.3960, 101.8840

Conversions

Conversions Part 2

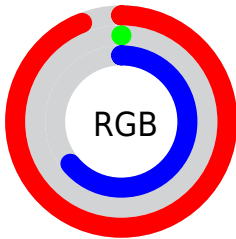
Format	Color
R_YB	240, 0, 164
Decimal	15728804
CIE Lab	53.17, 84.55, -20.25
CIE LCh	53, 86.939, 346.532
Yxy	21.2056, 0.4229, 0.2104
Android (android.graphics.Color)	4293918884 (0xFFFF00A4)
YUV	90.4560, 36.2572, 131.1501
Hunter-Lab	46.0495, 84.6306, -15.3505

Details

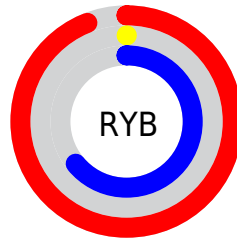
The Yxy color **21.2056, 0.4229, 0.2104** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **62.8239, 0.2883, 0.5578**, and the grayscale version is **10.2940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1098, 0.3556, 0.2138**, and **10.6348, 0.4418, 0.2207** is the 20% darker color. If you saturate the color by 10%, you get **21.1915, 0.4232, 0.2105**, and if you desaturate by 10%, it is **22.1523, 0.4095, 0.2078**.

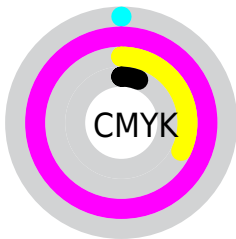
Distribution



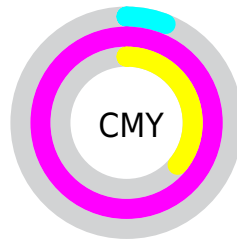
- Red (94%)
- Green (0%)
- Blue (64%)



- Red (94%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2056, 0.4229, 0.2104 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 21.2056, 0.4229, 0.2104 by changing the saturation by 10% instead.


 21.2056, 0.4229,
0.2104


 21.2056, 0.4229,
0.2104


258.3691, 0.3645,
0.2706

 13.2744, 0.4384,
0.1954


 45.4295, 0.4010,
0.2323

 7.6178, 0.4587,
0.1763


 62.4909, 0.3930,
0.2406

 3.8513, 0.4865,
0.1514


 83.3645, 0.3863,
0.2475

 1.5908, 0.5261,
0.1183

 108.4347, 0.3806,
0.2535

 0.3514, 0.5956,
0.0589

 138.0858, 0.3757,
0.2587

 0.0000, 0.7102,
0.0000

 172.7024, 0.3715,


 0.0000, 1.0000,


0.2632


0.0000


212.6687, 0.3678,
0.2671


 0.0000, 0.0000,
0.0000


 21.2056, 0.4229,
0.2104


 21.2056, 0.4229,
0.2104


 21.1915, 0.4232,
0.2105

 22.1523, 0.4095,
0.2078

 23.9311, 0.3958,
0.2098

 26.7898, 0.3820,
0.2167

 30.8781, 0.3687,
0.2280

 36.3217, 0.3562,
0.2425

■ 43.2308, 0.3449,
0.2591

■ 51.7042, 0.3350,
0.2768

■ 61.8321, 0.3263,
0.2948

■ 73.6977, 0.3189,
0.3124

Harmonies

Analogous

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



21.2056, 0.2651, 0.1568



21.2056, 0.4229, 0.2104



21.2056, 0.5635, 0.2830

Triad

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



21.2056, 0.4229, 0.2104



21.2056, 0.4164, 0.5680



21.2056, 0.0903, 0.1859

Complementary

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



21.2056, 0.4229, 0.2104



62.8239, 0.2883, 0.5578

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.



21.2056, 0.1086, 0.3056



21.2056, 0.4229, 0.2104



21.2056, 0.2910, 0.6248

Square

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



21.2056, 0.4229, 0.2104



21.2056, 0.5307, 0.4585



21.2056, 0.1772, 0.5069



21.2056, 0.1068, 0.1388

Rectangle

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



21.2056, 0.4229, 0.2104



21.2056, 0.5988, 0.3350



21.2056, 0.1772, 0.5069



21.2056, 0.0920, 0.2157

Sweetspot

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



21.2068, 0.4229, 0.2104



59.0545, 0.3352, 0.2763



7.8473, 0.1710, 0.0717



11.7158, 0.3393, 0.2687



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.



21.2068, 0.4229, 0.2104



24.3201, 0.4236, 0.2107



18.7118, 0.6145, 0.3160



15.9411, 0.3186, 0.3130



11.6308, 0.4211, 0.2093



0.9855, 0.4046, 0.2003

Inverse Universe

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



21.2068, 0.4229, 0.2104



24.3201, 0.4236, 0.2107



66.2837, 0.2415, 0.3893



15.9411, 0.3186, 0.3130



11.6308, 0.4211, 0.2093



0.9855, 0.4046, 0.2003

Previews

White Background



This preview shows how the Yxy color 21.2056, 0.4229, 0.2104 looks on a white background.

Color Contrast Check

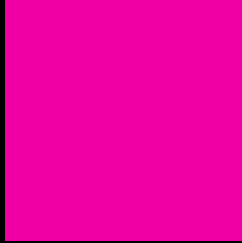
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2056, 0.4229, 0.2104 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 21.2056, 0.4229, 0.2104

Background



This preview shows how black text looks on a background with the Yxy color 21.2056, 0.4229, 0.2104.



This preview shows how white text looks on a background with the Yxy color 21.2056, 0.4229, 0.2104.

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

21.2056, 0.4229, 0.2104

Protanopia

22.1036, 0.1960, 0.1727

Deuteranopia

21.8887, 0.2879, 0.2830



Tritanopia

21.5095, 0.5569, 0.3281

Trichromacy



Original Color

21.2056, 0.4229, 0.2104



Protanomaly

15.4917, 0.2392, 0.1520



Deuteranomaly

16.6067, 0.3345, 0.2194



Tritanomaly

20.4481, 0.5196, 0.2809

Monochromacy



Original Color

21.2056, 0.4229, 0.2104



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.3539, 0.3651, 0.2297

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2056, 0.4229, 0.2104 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 164) }
```

Border

The CSS property to change the border of an element to Yxy 21.2056, 0.4229, 0.2104 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, 164) }
```

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

```
.border{ border-color:rgb(240, 0, 164) }
```

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, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 164);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2056, 0.4229, 0.2104 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, 164) }
```

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

```
.background{ background-color: rgb(240, 0,  
164) }
```

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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