

Converting Colors

Yxy(21.1285, 0.4237, 0.2108)

Have a look what the booklet for
Yxy(21.1285, 0.4237, 0.2108)
contains.

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Color

Yxy(21.1696, 0.4246, 0.2113)

Conversions

Conversions Part 1

Format	Color
Hex	F000A3
RGB	240, 0, 163
RGB Percent	94%, 0%, 64%
CMY	0.0589, 0.9991, 0.3609
CMYK	0.00, 1.00, 0.32, 0.06
HSL	319°, 100%, 47%
HSV	319°, 100%, 94%
XYZ	42.5396, 21.1696, 36.4782
YIQ	90.3420, 90.7170, 101.5730

Conversions

Conversions Part 2

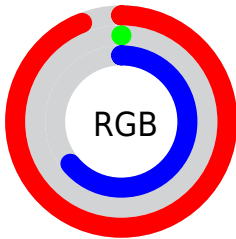
Format	Color
R_{YB}	240, 0, 163
Decimal	15728803
CIE _{Lab}	53.13, 84.47, -19.71
CIE _{LCh}	53, 86.737, 346.866
Yxy	21.1696, 0.4246, 0.2113
Android (android.graphics.Color)	4293918883 (0xFFFF00A3)
YUV	90.3420, 35.8204, 131.2501
Hunter-Lab	46.0104, 84.5164, -14.7993

Details

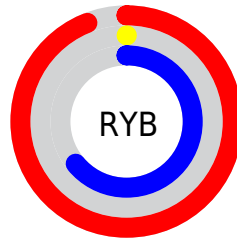
The Yxy color **21.1696, 0.4246, 0.2113** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **62.8519, 0.2881, 0.5570**, and the grayscale version is **10.2386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0573, 0.3567, 0.2146**, and **10.6127, 0.4440, 0.2220** is the 20% darker color. If you saturate the color by 10%, you get **21.1629, 0.4247, 0.2113**, and if you desaturate by 10%, it is **22.1134, 0.4110, 0.2086**.

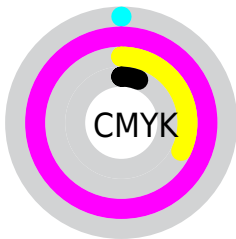
Distribution



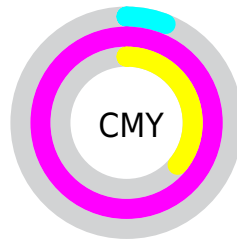
- Red (94%)
- Green (0%)
- Blue (64%)



- 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 21.1696, 0.4246, 0.2113 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 21.1696, 0.4246, 0.2113 by changing the saturation by 10% instead.


 21.1696, 0.4246,
0.2113

 21.1696, 0.4246,
0.2113


258.1785, 0.3652,
0.2712


 13.2480, 0.4404,
0.1963


 45.3696, 0.4023,
0.2332

 7.5996, 0.4612,
0.1773


 62.4169, 0.3941,
0.2413

 3.8398, 0.4896,
0.1524


 83.2748, 0.3873,
0.2483

 1.5844, 0.5303,
0.1192

 108.3278, 0.3815,
0.2542

 0.3470, 0.6020,
0.0590

 137.9603, 0.3766,
0.2593

 0.0000, 0.7241,
0.0000

 172.5566, 0.3723,

 0.0000, 1.0000,

0.2638

0.0000

212.5012, 0.3685,
0.2677

■ 0.0000, 0.0000,
0.0000

■ 21.1696, 0.4246,
0.2113

■ 21.1696, 0.4246,
0.2113

■ 21.1629, 0.4247,
0.2113

■ 22.1134, 0.4110,
0.2086

■ 23.8854, 0.3971,
0.2104

■ 26.7365, 0.3830,
0.2173

■ 30.8166, 0.3695,
0.2284

■ 36.2518, 0.3569,
0.2428

■ 43.1525, 0.3454,
0.2593

■ 51.6175, 0.3353,
0.2770

■ 61.7371, 0.3265,
0.2948

■ 73.5946, 0.3190,
0.3124

Harmonies

Analogous

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



21.1696, 0.2667, 0.1575



21.1696, 0.4246, 0.2113



21.1696, 0.5642, 0.2840

Triad

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



21.1696, 0.4246, 0.2113



21.1696, 0.4150, 0.5689



21.1696, 0.0905, 0.1853

Complementary

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



21.1696, 0.4246, 0.2113



62.8519, 0.2881, 0.5570

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.



21.1696, 0.1084, 0.3038



21.1696, 0.4246, 0.2113



21.1696, 0.2898, 0.6240

Square

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



21.1696, 0.4246, 0.2113



21.1696, 0.5295, 0.4597



21.1696, 0.1764, 0.5043



21.1696, 0.1074, 0.1388

Rectangle

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



21.1696, 0.4246, 0.2113



21.1696, 0.5985, 0.3360



21.1696, 0.1764, 0.5043



21.1696, 0.0921, 0.2147

Sweetspot

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



21.1708, 0.4246, 0.2113



59.0372, 0.3355, 0.2766



7.8384, 0.1710, 0.0716



11.7117, 0.3396, 0.2691



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.



21.1708, 0.4246, 0.2113



24.2803, 0.4251, 0.2116



18.7109, 0.6147, 0.3161



15.9400, 0.3187, 0.3131



11.6120, 0.4226, 0.2102



0.9841, 0.4059, 0.2009

Inverse Universe

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



21.1708, 0.4246, 0.2113



24.2803, 0.4251, 0.2116



66.2994, 0.2415, 0.3893



15.9400, 0.3187, 0.3131



11.6120, 0.4226, 0.2102



0.9841, 0.4059, 0.2009

Previews

White Background



This preview shows how the Yxy color 21.1696, 0.4246, 0.2113 looks on a white background.

Color Contrast Check

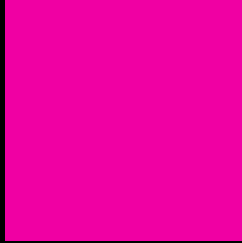
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1696, 0.4246, 0.2113 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 21.1696, 0.4246, 0.2113

Background



This preview shows how black text looks on a background with the Yxy color 21.1696, 0.4246, 0.2113.



This preview shows how white text looks on a background with the Yxy color 21.1696, 0.4246, 0.2113.

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

21.1696, 0.4246, 0.2113

Protanopia

22.0869, 0.1968, 0.1737

Deuteranopia

21.6014, 0.2888, 0.2829



Tritanopia

21.5645, 0.5583, 0.3273

Trichromacy



Original Color

21.1696, 0.4246, 0.2113



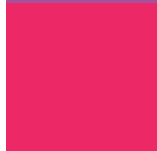
Protanomaly

15.5256, 0.2409, 0.1532



Deuteranomaly

16.5726, 0.3359, 0.2206



Tritanomaly

20.3781, 0.5199, 0.2804

Monochromacy



Original Color

21.1696, 0.4246, 0.2113



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

10.2304, 0.3672, 0.2298

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1696, 0.4246, 0.2113 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 163) }
```

Border

The CSS property to change the border of an element to Yxy 21.1696, 0.4246, 0.2113 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, 163) }
```

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

```
.border{ border-color:rgb(240, 0, 163) }
```

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, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1696, 0.4246, 0.2113 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, 163) }
```

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

```
.background{ background-color: rgb(240, 0,  
163) }
```

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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