

Converting Colors

Yxy(21.1660, 0.4263, 0.2122)

Have a look what the booklet for
Yxy(21.1660, 0.4263, 0.2122)
contains.

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Color

Yxy(21.1339, 0.4262, 0.2122)

Conversions

Conversions Part 1

Format	Color
Hex	F000A2
RGB	240, 0, 162
RGB Percent	94%, 0%, 64%
CMY	0.0589, 0.9986, 0.3648
CMYK	0.00, 1.00, 0.33, 0.06
HSL	320°, 100%, 47%
HSV	320°, 100%, 94%
XYZ	42.4471, 21.1339, 36.0133
YIQ	90.2280, 91.0380, 101.2620

Conversions

Conversions Part 2

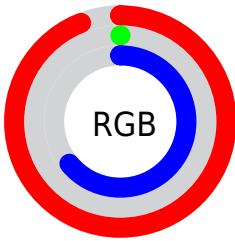
Format	Color
R_{YB}	240, 0, 162
Decimal	15728802
CIE _{Lab}	53.10, 84.36, -19.18
CIE _{LCh}	53, 86.512, 347.189
Yxy	21.1339, 0.4262, 0.2122
Android (android.graphics.Color)	4293918882 (0xFFFF00A2)
YUV	90.2280, 35.3836, 131.3500
Hunter-Lab	45.9716, 84.3644, -14.2665

Details

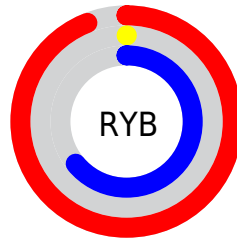
The Yxy color **21.1339, 0.4262, 0.2122** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **62.8588, 0.2878, 0.5558**, and the grayscale version is **10.2273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0051, 0.3578, 0.2154**, and **10.5908, 0.4463, 0.2232** is the 20% darker color. If you saturate the color by 10%, you get **21.1235, 0.4264, 0.2123**, and if you desaturate by 10%, it is **22.0815, 0.4124, 0.2094**.

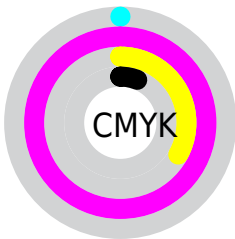
Distribution



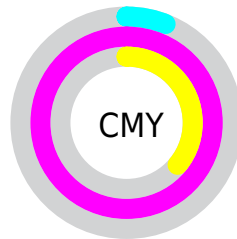
- Red (94%)
- Green (0%)
- Blue (64%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (6%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1339, 0.4262, 0.2122 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 21.1339, 0.4262, 0.2122 by changing the saturation by 10% instead.


 21.1339, 0.4262,
0.2122


 21.1339, 0.4262,
0.2122


257.9892, 0.3658,
0.2718


 13.2219, 0.4423,
0.1973


 45.3103, 0.4035,
0.2340

 7.5815, 0.4635,
0.1783


 62.3435, 0.3952,
0.2421

 3.8284, 0.4926,
0.1534


 83.1858, 0.3882,
0.2490

 1.5780, 0.5343,
0.1201

 108.2218, 0.3824,
0.2549

 0.3427, 0.6082,
0.0592

 137.8357, 0.3773,
0.2599

 0.0000, 0.7381,
0.0000

 172.4120, 0.3730,

 0.0000, 1.0000,

0.2644

0.0000

212.3350, 0.3692,
0.2683

■ 0.0000, 0.0000,
0.0000

■ 21.1339, 0.4262,
0.2122

■ 21.1339, 0.4262,
0.2122

■ 21.1235, 0.4264,
0.2123

■ 22.0815, 0.4124,
0.2094

■ 23.8599, 0.3982,
0.2112

■ 26.7184, 0.3839,
0.2180

■ 30.8068, 0.3702,
0.2291

■ 36.2511, 0.3574,
0.2434

■ 43.1615, 0.3458,
0.2598

■ 51.6370, 0.3355,
0.2773

■ 61.7676, 0.3266,
0.2951

■ 73.6369, 0.3190,
0.3125

Harmonies

Analogous

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



21.1339, 0.2683, 0.1581



21.1339, 0.4262, 0.2122



21.1339, 0.5647, 0.2850

Triad

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



21.1339, 0.4262, 0.2122



21.1339, 0.4136, 0.5696



21.1339, 0.0908, 0.1848

Complementary

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



21.1339, 0.4262, 0.2122



62.8588, 0.2878, 0.5558

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.



21.1339, 0.1083, 0.3022



21.1339, 0.4262, 0.2122



21.1339, 0.2886, 0.6232

Square

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



21.1339, 0.4262, 0.2122



21.1339, 0.5282, 0.4608



21.1339, 0.1756, 0.5018



21.1339, 0.1080, 0.1388

Rectangle

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



21.1339, 0.4262, 0.2122



21.1339, 0.5982, 0.3370



21.1339, 0.1756, 0.5018



21.1339, 0.0923, 0.2139

Sweetspot

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



21.1351, 0.4262, 0.2122



59.0190, 0.3357, 0.2769



7.8428, 0.1710, 0.0716



11.7073, 0.3399, 0.2694



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.



21.1351, 0.4262, 0.2122



24.2386, 0.4268, 0.2125



18.7112, 0.6146, 0.3160



15.9388, 0.3188, 0.3132



11.5922, 0.4243, 0.2111



0.9826, 0.4072, 0.2017

Inverse Universe

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



21.1351, 0.4262, 0.2122



24.2386, 0.4268, 0.2125



66.2911, 0.2415, 0.3893



15.9388, 0.3188, 0.3132



11.5922, 0.4243, 0.2111



0.9826, 0.4072, 0.2017

Previews

White Background



This preview shows how the Yxy color 21.1339, 0.4262, 0.2122 looks on a white background.

Color Contrast Check

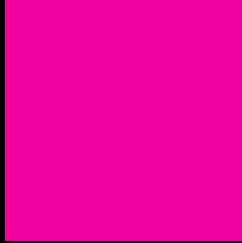
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1339, 0.4262, 0.2122 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 21.1339, 0.4262, 0.2122

Background



This preview shows how black text looks on a background with the Yxy color 21.1339, 0.4262, 0.2122.



This preview shows how white text looks on a background with the Yxy color 21.1339, 0.4262, 0.2122.

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

21.1339, 0.4262, 0.2122

Protanopia

22.0145, 0.1980, 0.1756

Deuteranopia

21.6474, 0.2909, 0.2846



Tritanopia

21.5645, 0.5583, 0.3273

Trichromacy



Original Color

21.1339, 0.4262, 0.2122



Protanomaly

15.4278, 0.2424, 0.1548



Deuteranomaly

16.6499, 0.3386, 0.2223



Tritanomaly

20.3781, 0.5199, 0.2804

Monochromacy



Original Color

21.1339, 0.4262, 0.2122



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

10.2070, 0.3692, 0.2313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1339, 0.4262, 0.2122 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 162) }
```

Border

The CSS property to change the border of an element to Yxy 21.1339, 0.4262, 0.2122 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, 162) }
```

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

```
.border{ border-color:rgb(240, 0, 162) }
```

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, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 162);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1339, 0.4262, 0.2122 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, 162) }
```

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

```
.background{ background-color: rgb(240, 0,  
162) }
```

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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