

Converting Colors

$Yxy(21.5448, 0.4534, 0.2271)$

Have a look what the booklet for
Yxy(21.5448, 0.4534, 0.2271)
contains.

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Color

Yxy(21.5824, 0.4535, 0.2272)

Conversions

Conversions Part 1

Format	Color
Hex	F50095
RGB	245, 0, 149
RGB Percent	96%, 0%, 58%
CMY	0.0392, 0.9996, 0.4157
CMYK	0.00, 1.00, 0.39, 0.04
HSL	324°, 100%, 48%
HSV	324°, 100%, 96%
XYZ	43.0793, 21.5824, 30.3313
YIQ	90.2410, 98.1910, 98.2790

Conversions

Conversions Part 2

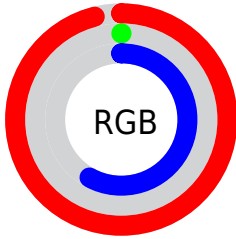
Format	Color
R_{YB}	245, 0, 149
Decimal	16056469
CIE _{Lab}	53.58, 84.15, -10.65
CIE _{LCh}	54, 84.826, 352.786
Yxy	21.5824, 0.4535, 0.2272
Android (android.graphics.Color)	4294246549 (0xFFFF50095)
YUV	90.2410, 28.9682, 135.7236
Hunter-Lab	46.4569, 84.2230, -6.1901

Details

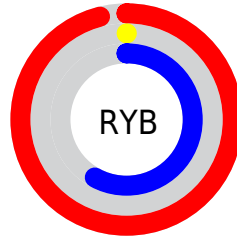
The Yxy color **21.5824, 0.4535, 0.2272** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **66.1472, 0.2828, 0.5380**, and the grayscale version is **10.2137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3072, 0.3738, 0.2274**, and **10.9491, 0.4808, 0.2422** is the 20% darker color. If you saturate the color by 10%, you get **21.5797, 0.4536, 0.2272**, and if you desaturate by 10%, it is **22.5795, 0.4359, 0.2226**.

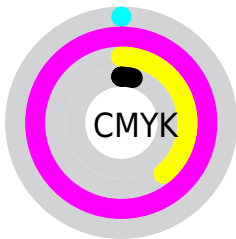
Distribution



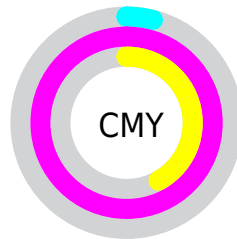
- Red (96%)
- Green (0%)
- Blue (58%)



- Red (96%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (4%)




- Cyan (4%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5824, 0.4535, 0.2272 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 21.5824, 0.4535, 0.2272 by changing the saturation by 10% instead.


 21.5824, 0.4535,
0.2272


 21.5824, 0.4535,
0.2272


260.3576, 0.3770,
0.2806


 13.5504, 0.4745,
0.2133


 46.0548, 0.4243,
0.2471


 7.8086, 0.5024,
0.1952


 63.2640, 0.4137,
0.2544


 3.9727, 0.5412,
0.1710

 84.3010, 0.4050,
0.2606

 1.6583, 0.5979,
0.1375

 109.5503, 0.3976,
0.2658

 0.3964, 0.6962,
0.0758

 139.3962, 0.3914,
0.2703

 0.0000, 1.0000,
0.0000

174.2231, 0.3859,

 0.0000, 0.0000,

0.2742

0.0000

214.4155, 0.3812,
0.2776

■ 21.5824, 0.4535,
0.2272

■ 21.5824, 0.4535,
0.2272

■ 21.5797, 0.4536,
0.2272

■ 22.5795, 0.4359,
0.2226

■ 24.4522, 0.4177,
0.2228

■ 27.4639, 0.3996,
0.2282

■ 31.7730, 0.3823,
0.2380

■ 37.5127, 0.3664,
0.2510

■ 44.7993, 0.3522,
0.2660

■ 53.7371, 0.3398,
0.2820

■ 64.4214, 0.3292,
0.2982

■ 76.9401, 0.3202,
0.3140

Harmonies

Analogous

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



21.5824, 0.2955, 0.1690



21.5824, 0.4535, 0.2272



21.5824, 0.5734, 0.3011

Triad

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



21.5824, 0.4535, 0.2272



21.5824, 0.3908, 0.5824



21.5824, 0.0950, 0.1754

Complementary

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



21.5824, 0.4535, 0.2272



66.1472, 0.2828, 0.5380

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.



21.5824, 0.1056, 0.2751



21.5824, 0.4535, 0.2272



21.5824, 0.2685, 0.6075

Square

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



21.5824, 0.4535, 0.2272



21.5824, 0.5069, 0.4803



21.5824, 0.1625, 0.4592



21.5824, 0.1182, 0.1386

Rectangle

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



21.5824, 0.4535, 0.2272



21.5824, 0.5921, 0.3538



21.5824, 0.1625, 0.4592



21.5824, 0.0945, 0.1998

Sweetspot

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



21.5836, 0.4535, 0.2272



58.7371, 0.3399, 0.2818



8.9734, 0.1802, 0.0767



11.6401, 0.3449, 0.2750



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.



21.5836, 0.4535, 0.2272



23.6281, 0.4539, 0.2274



19.5007, 0.6282, 0.3235



16.6518, 0.3198, 0.3147



11.6543, 0.4508, 0.2257



1.0445, 0.4301, 0.2143

Inverse Universe

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



21.5836, 0.4535, 0.2272



23.6281, 0.4539, 0.2274



70.2805, 0.2351, 0.3664



16.6518, 0.3198, 0.3147



11.6543, 0.4508, 0.2257



1.0445, 0.4301, 0.2143

Previews

White Background



This preview shows how the Yxy color 21.5824, 0.4535, 0.2272 looks on a white background.

Color Contrast Check

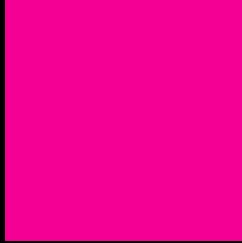
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5824, 0.4535, 0.2272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

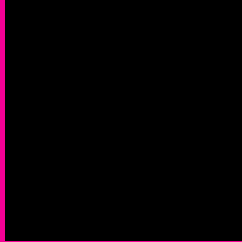
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5824, 0.4535, 0.2272

Background



This preview shows how black text looks on a background with the Yxy color 21.5824, 0.4535, 0.2272.



This preview shows how white text looks on a background with the Yxy color 21.5824, 0.4535, 0.2272.

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

21.5824, 0.4535, 0.2272

Protanopia

22.4135, 0.2146, 0.1976

Deuteranopia

22.1600, 0.3137, 0.3085



Tritanopia

21.9901, 0.5725, 0.3284

Trichromacy



Original Color

21.5824, 0.4535, 0.2272



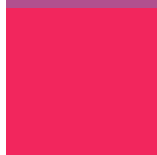
Protanomaly

15.9921, 0.2703, 0.1755



Deuteranomaly

17.0374, 0.3675, 0.2419



Tritanomaly

21.0538, 0.5405, 0.2896

Monochromacy



Original Color

21.5824, 0.4535, 0.2272



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

10.1849, 0.3807, 0.2395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5824, 0.4535, 0.2272 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(245, 0, 149)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 149)  
}
```

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(245, 0, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 149) }
```

Border

The CSS property to change the border of an element to Yxy 21.5824, 0.4535, 0.2272 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(245, 0, 149) }
```

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

```
.border{ border-color:rgb(245, 0, 149) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 149);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5824, 0.4535, 0.2272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 149) }
```

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

```
.background{ background-color: rgb(245, 0,  
149) }
```

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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