

Converting Colors

$Y_{xy}(21.1728, 0.4431, 0.2215)$

Have a look what the booklet for
Yxy(21.1728, 0.4431, 0.2215)
contains.

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Color

Yxy(21.1772, 0.4435, 0.2217)

Conversions

Conversions Part 1

Format	Color
Hex	F20099
RGB	242, 0, 153
RGB Percent	95%, 0%, 60%
CMY	0.0510, 0.9994, 0.4001
CMYK	0.00, 1.00, 0.37, 0.05
HSL	322°, 100%, 47%
HSV	322°, 100%, 95%
XYZ	42.3640, 21.1772, 31.9807
YIQ	89.8000, 95.1190, 98.8870

Conversions

Conversions Part 2

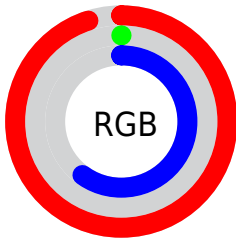
Format	Color
RYB	242, 0, 153
Decimal	15859865
CIELab	53.14, 83.91, -13.73
CIElCh	53, 85.022, 350.704
Yxy	21.1772, 0.4435, 0.2217
Android (android.graphics.Color)	4294049945 (0xFFFF20099)
YUV	89.8000, 31.1576, 133.4794
Hunter-Lab	46.0187, 83.7911, -8.9905

Details

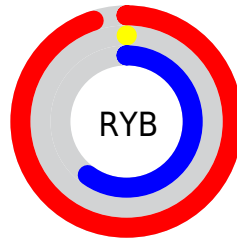
The Yxy color **21.1772, 0.4435, 0.2217** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **64.2247, 0.2847, 0.5447**, and the grayscale version is **10.1116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5004, 0.3691, 0.2239**, and **10.6626, 0.4675, 0.2349** is the 20% darker color. If you saturate the color by 10%, you get **21.1729, 0.4436, 0.2217**, and if you desaturate by 10%, it is **22.1486, 0.4273, 0.2177**.

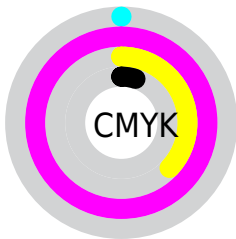
Distribution



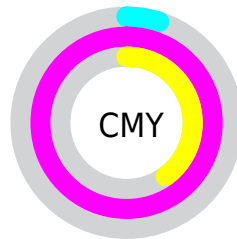
- Red (95%)
- Green (0%)
- Blue (60%)



- Red (95%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (5%)




- Cyan (5%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1772, 0.4435, 0.2217 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 21.1772, 0.4435, 0.2217 by changing the saturation by 10% instead.


 21.1772, 0.4435,
0.2217

 21.1772, 0.4435,
0.2217


258.2187, 0.3728,
0.2774


 13.2536, 0.4628,
0.2074


 45.3823, 0.4166,
0.2423

 7.6034, 0.4884,
0.1889


 62.4325, 0.4068,
0.2500


 3.8422, 0.5240,
0.1642


 83.2937, 0.3987,
0.2564

 1.5857, 0.5759,
0.1306

 108.3504, 0.3919,
0.2619

 0.3479, 0.6685,
0.0664

 137.9868, 0.3861,
0.2666

 0.0000, 0.9143,
0.0000

 172.5874, 0.3810,

 0.0000, 1.0000,

0.2707

0.0000

212.5366, 0.3767,
0.2743

■ 0.0000, 0.0000,
0.0000

■ 21.1772, 0.4435,
0.2217

■ 21.1772, 0.4435,
0.2217

■ 21.1729, 0.4436,
0.2217

■ 22.1486, 0.4273,
0.2177

■ 23.9682, 0.4106,
0.2185

■ 26.8925, 0.3939,
0.2245

■ 31.0748, 0.3779,
0.2347

■ 36.6441, 0.3631,
0.2482

■ 43.7130, 0.3499,
0.2637

■ 52.3829, 0.3382,
0.2803

■ 62.7458, 0.3283,
0.2970

■ 74.8872, 0.3198,
0.3134

Harmonies

Analogous

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



21.1772, 0.2853, 0.1650



21.1772, 0.4435, 0.2217



21.1772, 0.5704, 0.2952

Triad

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



21.1772, 0.4435, 0.2217



21.1772, 0.3992, 0.5778



21.1772, 0.0935, 0.1788

Complementary

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



21.1772, 0.4435, 0.2217



64.2247, 0.2847, 0.5447

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.



21.1772, 0.1066, 0.2847



21.1772, 0.4435, 0.2217



21.1772, 0.2760, 0.6138

Square

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



21.1772, 0.4435, 0.2217



21.1772, 0.5148, 0.4731



21.1772, 0.1673, 0.4747



21.1772, 0.1144, 0.1387

Rectangle

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



21.1772, 0.4435, 0.2217



21.1772, 0.5945, 0.3476



21.1772, 0.1673, 0.4747



21.1772, 0.0937, 0.2048

Sweetspot

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



21.1784, 0.4435, 0.2217



58.8374, 0.3384, 0.2800



8.5295, 0.1778, 0.0753



11.6639, 0.3431, 0.2730



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.



21.1784, 0.4435, 0.2217



23.8380, 0.4440, 0.2220



18.9858, 0.6253, 0.3219



15.9269, 0.3194, 0.3142



11.4024, 0.4410, 0.2203



0.9677, 0.4210, 0.2093

Inverse Universe

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



21.1784, 0.4435, 0.2217



23.8380, 0.4440, 0.2220



68.1410, 0.2367, 0.3720



15.9269, 0.3194, 0.3142



11.4024, 0.4410, 0.2203



0.9677, 0.4210, 0.2093

Previews

White Background



This preview shows how the Yxy color 21.1772, 0.4435, 0.2217 looks on a white background.

Color Contrast Check

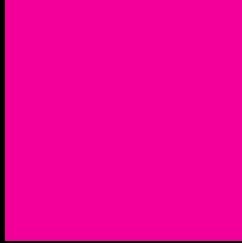
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1772, 0.4435, 0.2217 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 21.1772, 0.4435, 0.2217

Background



This preview shows how black text looks on a background with the Yxy color 21.1772, 0.4435, 0.2217.



This preview shows how white text looks on a background with the Yxy color 21.1772, 0.4435, 0.2217.

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

21.1772, 0.4435, 0.2217

Protanopia

21.8564, 0.2082, 0.1885

Deuteranopia

21.6886, 0.3047, 0.2998



Tritanopia

21.4235, 0.5673, 0.3275

Trichromacy



Original Color

21.1772, 0.4435, 0.2217



Protanomaly

15.6067, 0.2599, 0.1675



Deuteranomaly

16.6969, 0.3558, 0.2349



Tritanomaly

20.4079, 0.5326, 0.2855

Monochromacy



Original Color

21.1772, 0.4435, 0.2217



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

10.1383, 0.3750, 0.2358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1772, 0.4435, 0.2217 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(242, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 153)  
}
```

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(242, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 153) }
```

Border

The CSS property to change the border of an element to Yxy 21.1772, 0.4435, 0.2217 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(242, 0, 153) }
```

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

```
.border{ border-color:rgb(242, 0, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1772, 0.4435, 0.2217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 153) }
```

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

```
.background{ background-color: rgb(242, 0,  
153) }
```

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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