

Converting Colors

$Y_{xy}(21.2331, 0.4504, 0.2271)$

Have a look what the booklet for
Yxy(21.2331, 0.4504, 0.2271)
contains.

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Color

Yxy(21.2425, 0.4498, 0.2267)

Conversions

Conversions Part 1

Format	Color
Hex	F20995
RGB	242, 9, 149
RGB Percent	95%, 4%, 58%
CMY	0.0509, 0.9654, 0.4157
CMYK	0.00, 0.96, 0.38, 0.05
HSL	324°, 93%, 49%
HSV	324°, 96%, 95%
XYZ	42.1477, 21.2425, 30.3130
YIQ	94.6270, 93.9280, 92.9360

Conversions

Conversions Part 2

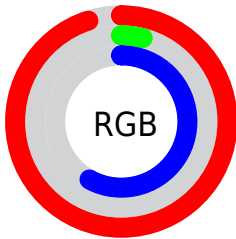
Format	Color
R_{YB}	242, 9, 149
Decimal	15862165
CIE _{Lab}	53.21, 82.95, -11.26
CIE _{LCh}	53, 83.709, 352.270
Yxy	21.2425, 0.4498, 0.2267
Android (android.graphics.Color)	4294052245 (0xFFFF20995)
YUV	94.6270, 26.8059, 129.2461
Hunter-Lab	46.0896, 82.5766, -6.7321

Details

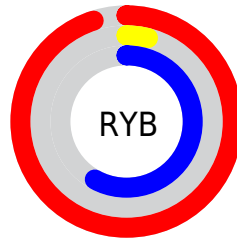
The Yxy color **21.2425, 0.4498, 0.2267** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **64.5343, 0.2809, 0.5291**, and the grayscale version is **11.2440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6861, 0.3735, 0.2290**, and **10.5851, 0.4768, 0.2400** is the 20% darker color. If you saturate the color by 10%, you get **20.9415, 0.4564, 0.2288**, and if you desaturate by 10%, it is **22.4626, 0.4316, 0.2234**.

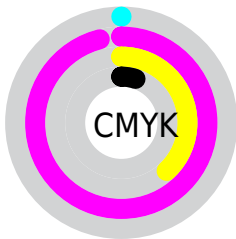
Distribution



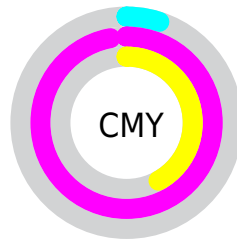
- Red (95%)
- Green (4%)
- Blue (58%)



- Red (95%)
- Yellow (4%)
- Blue (58%)



- Cyan (0%)
- Magenta (96%)
- Yellow (38%)
- Black (5%)




- Cyan (5%)
- Magenta (97%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2425, 0.4498, 0.2267 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 21.2425, 0.4498, 0.2267 by changing the saturation by 10% instead.


 21.2425, 0.4498,
0.2267


 21.2425, 0.4498,
0.2267


258.5645, 0.3753,
0.2804


 13.3014, 0.4703,
0.2127


 45.4908, 0.4213,
0.2467


 7.6364, 0.4977,
0.1945


 62.5667, 0.4110,
0.2541

 3.8632, 0.5358,
0.1701

 83.4564, 0.4025,
0.2602

 1.5973, 0.5916,
0.1364

 108.5442, 0.3953,
0.2655

 0.3558, 0.6914,
0.0710

 138.2145, 0.3892,
0.2700

 0.0000, 1.0000,
0.0000

172.8517, 0.3839,

 0.0000, 0.0000,

0.2739

0.0000

212.8402, 0.3793,
0.2773

■ 21.2425, 0.4498,
0.2267

■ 21.2425, 0.4498,
0.2267

■ 20.9415, 0.4564,
0.2288

■ 22.4626, 0.4316,
0.2234

■ 24.6698, 0.4130,
0.2254

■ 28.0443, 0.3947,
0.2324

■ 32.7295, 0.3775,
0.2433

■ 38.8479, 0.3619,
0.2570

■ 46.5080, 0.3481,
0.2723

■ 55.8077, 0.3361,
0.2883

■ 66.8366, 0.3260,
0.3042

■ 79.6779, 0.3174,
0.3196

Harmonies

Analogous

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



21.2425, 0.2933, 0.1691



21.2425, 0.4498, 0.2267



21.2425, 0.5704, 0.3002

Triad

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



21.2425, 0.4498, 0.2267



21.2425, 0.3932, 0.5796



21.2425, 0.0959, 0.1775

Complementary

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



21.2425, 0.4498, 0.2267



64.5343, 0.2809, 0.5291

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.



21.2425, 0.1073, 0.2782



21.2425, 0.4498, 0.2267



21.2425, 0.2713, 0.6060

Square

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



21.2425, 0.4498, 0.2267



21.2425, 0.5079, 0.4782



21.2425, 0.1651, 0.4616



21.2425, 0.1184, 0.1399

Rectangle

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



21.2425, 0.4498, 0.2267



21.2425, 0.5906, 0.3528



21.2425, 0.1651, 0.4616



21.2425, 0.0956, 0.2022

Sweetspot

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



21.2437, 0.4498, 0.2267



59.7917, 0.3392, 0.2839



9.2128, 0.1841, 0.0801



11.8372, 0.3443, 0.2771



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.



21.2437, 0.4498, 0.2267



23.5691, 0.4568, 0.2290



19.2013, 0.6208, 0.3218



15.9184, 0.3199, 0.3149



11.2747, 0.4535, 0.2272



0.9575, 0.4313, 0.2149

Inverse Universe

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



21.2437, 0.4498, 0.2267



23.5691, 0.4568, 0.2290



68.4750, 0.2351, 0.3649



15.9184, 0.3199, 0.3149



11.2747, 0.4535, 0.2272



0.9575, 0.4313, 0.2149

Previews

White Background



This preview shows how the Yxy color 21.2425, 0.4498, 0.2267 looks on a white background.

Color Contrast Check

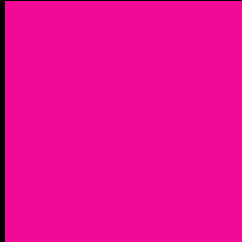
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2425, 0.4498, 0.2267 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 21.2425, 0.4498, 0.2267

Background



This preview shows how black text looks on a background with the Yxy color 21.2425, 0.4498, 0.2267.



This preview shows how white text looks on a background with the Yxy color 21.2425, 0.4498, 0.2267.

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

21.2425, 0.4498, 0.2267

Protanopia

21.7466, 0.2133, 0.1952

Deuteranopia

21.7364, 0.3114, 0.3066



Tritanopia

21.4694, 0.5709, 0.3283

Trichromacy



Original Color

21.2425, 0.4498, 0.2267



Protanomaly

16.1073, 0.2682, 0.1769



Deuteranomaly

17.2535, 0.3640, 0.2448



Tritanomaly

20.7269, 0.5371, 0.2902

Monochromacy



Original Color

21.2425, 0.4498, 0.2267



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.2005, 0.3741, 0.2444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2425, 0.4498, 0.2267 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, 9, 149)` looks like.

```
.text, #text, p{  
    color:rgb(242, 9, 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(242, 9, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 9, 149) }
```

Border

The CSS property to change the border of an element to Yxy 21.2425, 0.4498, 0.2267 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, 9, 149) }
```

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

```
.border{ border-color:rgb(242, 9, 149) }
```

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

Here you see how a box with a 4 pixel rgb(242, 9, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 9, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 9, 149);  
box-shadow:4px 4px 4px 4px rgb(242, 9,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2425, 0.4498, 0.2267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 9, 149) }
```

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

```
.background{ background-color: rgb(242, 9,  
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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