

Converting Colors

$Yxy(20.4123, 0.4607, 0.2312)$

Have a look what the booklet for
Yxy(20.4123, 0.4607, 0.2312)
contains.

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Color

Yxy(20.4783, 0.4602, 0.2309)

Conversions

Conversions Part 1

Format	Color
Hex	F0008E
RGB	240, 0, 142
RGB Percent	94%, 0%, 56%
CMY	0.0589, 0.9994, 0.4431
CMYK	0.00, 1.00, 0.41, 0.06
HSL	325°, 100%, 47%
HSV	325°, 100%, 94%
XYZ	40.8147, 20.4783, 27.3960
YIQ	87.9480, 97.4580, 95.0420

Conversions

Conversions Part 2

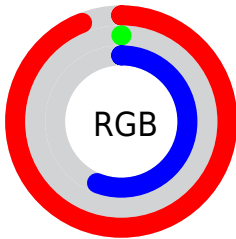
Format	Color
R _Y B	240, 0, 142
Decimal	15728782
CIE Lab	52.37, 82.51, -8.38
CIE LCh	52, 82.931, 354.203
Yxy	20.4783, 0.4602, 0.2309
Android (android.graphics.Color)	4293918862 (0xFFFF008E)
YUV	87.9480, 26.6476, 133.3496
Hunter-Lab	45.2530, 81.8006, -4.2170

Details

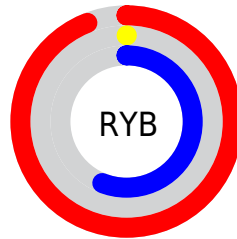
The Yxy color **20.4783, 0.4602, 0.2309** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark saturated rose. A complement of this color would be **63.1973, 0.2814, 0.5329**, and the grayscale version is **9.6922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7949, 0.3824, 0.2329**, and **10.2377, 0.4882, 0.2463** is the 20% darker color. If you saturate the color by 10%, you get **20.4741, 0.4603, 0.2309**, and if you desaturate by 10%, it is **21.4434, 0.4416, 0.2259**.

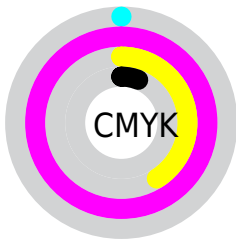
Distribution



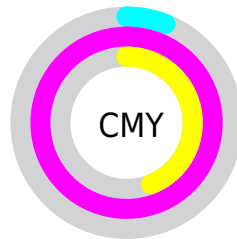
- Red (94%)
- Green (0%)
- Blue (56%)



- Red (94%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (41%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4783, 0.4602, 0.2309 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 20.4783, 0.4602, 0.2309 by changing the saturation by 10% instead.


 20.4783, 0.4602,
0.2309

 20.4783, 0.4602,
0.2309


254.4928, 0.3791,
0.2832


 12.7432, 0.4828,
0.2169


 44.2176, 0.4290,
0.2506

 7.2520, 0.5132,
0.1986


 60.9907, 0.4178,
0.2578


 3.6202, 0.5559,
0.1737

 81.5451, 0.4085,
0.2638

 1.4634, 0.6188,
0.1386

 106.2654, 0.4007,
0.2689

 0.2628, 0.7392,
0.0604

 135.5360, 0.3941,
0.2733

 0.0000, 1.0000,
0.0000

 169.7411, 0.3884,

 0.0000, 0.0000,

0.2770

0.0000

209.2652, 0.3835,
0.2803

■ 20.4783, 0.4602,
0.2309

■ 20.4783, 0.4602,
0.2309

■ 20.4741, 0.4603,
0.2309

■ 21.4434, 0.4416,
0.2259

■ 23.2444, 0.4225,
0.2258

■ 26.1337, 0.4034,
0.2309

■ 30.2617, 0.3852,
0.2404

■ 35.7548, 0.3685,
0.2531

■ 42.7237, 0.3537,
0.2677

■ 51.2675, 0.3408,
0.2833

■ 61.4770, 0.3298,
0.2990

■ 73.4357, 0.3204,
0.3144

Harmonies

Analogous

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



20.4783, 0.3024, 0.1717



20.4783, 0.4602, 0.2309



20.4783, 0.5753, 0.3050

Triad

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



20.4783, 0.4602, 0.2309



20.4783, 0.3852, 0.5854



20.4783, 0.0960, 0.1732

Complementary

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



20.4783, 0.4602, 0.2309



63.1973, 0.2814, 0.5329

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.



20.4783, 0.1050, 0.2689



20.4783, 0.4602, 0.2309



20.4783, 0.2634, 0.6028

Square

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



20.4783, 0.4602, 0.2309



20.4783, 0.5018, 0.4853



20.4783, 0.1593, 0.4489



20.4783, 0.1207, 0.1385

Rectangle

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



20.4783, 0.4602, 0.2309



20.4783, 0.5905, 0.3580



20.4783, 0.1593, 0.4489



20.4783, 0.0950, 0.1965

Sweetspot

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



20.4795, 0.4602, 0.2309



58.6683, 0.3410, 0.2830



8.7855, 0.1830, 0.0782



11.6237, 0.3462, 0.2764



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.



20.4795, 0.4602, 0.2309



23.4887, 0.4609, 0.2313



18.5928, 0.6305, 0.3248



15.9158, 0.3201, 0.3151



11.2364, 0.4575, 0.2294



0.9545, 0.4345, 0.2167

Inverse Universe

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



20.4795, 0.4602, 0.2309



23.4887, 0.4609, 0.2313



67.2710, 0.2336, 0.3607



15.9158, 0.3201, 0.3151



11.2364, 0.4575, 0.2294



0.9545, 0.4345, 0.2167

Previews

White Background



This preview shows how the Yxy color 20.4783, 0.4602, 0.2309 looks on a white background.

Color Contrast Check

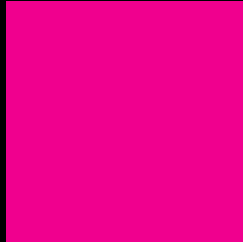
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4783, 0.4602, 0.2309 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 20.4783, 0.4602, 0.2309

Background



This preview shows how black text looks on a background with the Yxy color 20.4783, 0.4602, 0.2309.



This preview shows how white text looks on a background with the Yxy color 20.4783, 0.4602, 0.2309.

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

20.4783, 0.4602, 0.2309

Protanopia

21.2617, 0.2200, 0.2040

Deuteranopia

21.0661, 0.3183, 0.3133



Tritanopia

20.7960, 0.5754, 0.3284

Trichromacy



Original Color

20.4783, 0.4602, 0.2309



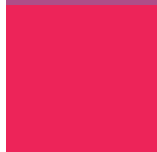
Protanomaly

15.2241, 0.2780, 0.1812



Deuteranomaly

16.2250, 0.3732, 0.2459



Tritanomaly

19.9875, 0.5439, 0.2910

Monochromacy



Original Color

20.4783, 0.4602, 0.2309



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.7507, 0.3819, 0.2410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4783, 0.4602, 0.2309 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, 142)` looks like.

```
.text, #text, p{  
  color:rgb(240, 0, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 142) }
```

Border

The CSS property to change the border of an element to Yxy 20.4783, 0.4602, 0.2309 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, 142) }
```

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

```
.border{ border-color:rgb(240, 0, 142) }
```

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, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 142);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4783, 0.4602, 0.2309 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, 142) }
```

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

```
.background{ background-color: rgb(240, 0,  
142) }
```

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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