

Converting Colors

$Y_{xy}(19.3298, 0.4674, 0.2262)$

Have a look what the booklet for
Yxy(19.3298, 0.4674, 0.2262)
contains.

Yxy(20.2148, 0.4644, 0.2332)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.2148, 0.4644, 0.2332)

Conversions

Conversions Part 1

Format	Color
Hex	EF008B
RGB	239, 0, 139
RGB Percent	94%, 0%, 55%
CMY	0.0628, 0.9997, 0.4548
CMYK	0.00, 1.00, 0.42, 0.06
HSL	325°, 100%, 47%
HSV	325°, 100%, 94%
XYZ	40.2562, 20.2148, 26.2134
YIQ	87.3070, 97.8250, 93.8970

Conversions

Conversions Part 2

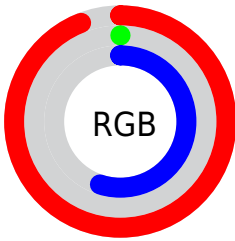
Format	Color
R_{YB}	239, 0, 139
Decimal	15663243
CIE _{Lab}	52.08, 82.05, -7.04
CIE _{LCh}	52, 82.349, 355.096
Yxy	20.2148, 0.4644, 0.2332
Android (android.graphics.Color)	4293853323 (0xFFEF008B)
YUV	87.3070, 25.4846, 133.0348
Hunter-Lab	44.9609, 81.1405, -3.0950

Details

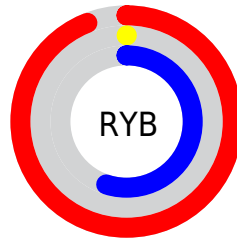
The Yxy color **20.2148, 0.4644, 0.2332** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **62.6508, 0.2805, 0.5299**, and the grayscale version is **9.5396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6152, 0.3873, 0.2366**, and **10.0684, 0.4941, 0.2495** is the 20% darker color. If you saturate the color by 10%, you get **20.2132, 0.4645, 0.2332**, and if you desaturate by 10%, it is **21.1726, 0.4452, 0.2280**.

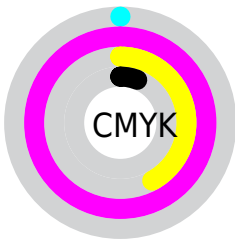
Distribution



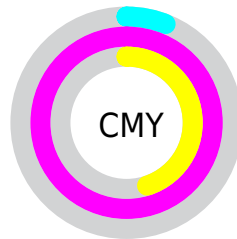
- Red (94%)
- Green (0%)
- Blue (55%)



- Red (94%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (6%)




- Cyan (6%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2148, 0.4644, 0.2332 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 20.2148, 0.4644, 0.2332 by changing the saturation by 10% instead.


 20.2148, 0.4644,
0.2332


 20.2148, 0.4644,
0.2332


253.0756, 0.3806,
0.2847


 12.5513, 0.4879,
0.2193


 43.7770, 0.4320,
0.2527


 7.1203, 0.5196,
0.2010


 60.4445, 0.4204,
0.2598


 3.5374, 0.5641,
0.1759

 80.8821, 0.4109,
0.2657

 1.4183, 0.6301,
0.1403

 105.4742, 0.4029,
0.2707

 0.2302, 0.7619,
0.0563

 134.6052, 0.3961,
0.2750

 0.0000, 1.0000,
0.0000

 168.6595, 0.3902,

 0.0000, 0.0000,

0.2787

0.0000

208.0215, 0.3851,
0.2819

■ 20.2148, 0.4644,
0.2332

■ 20.2148, 0.4644,
0.2332

■ 20.2132, 0.4645,
0.2332

■ 21.1726, 0.4452,
0.2280

■ 22.9577, 0.4255,
0.2277

■ 25.8214, 0.4058,
0.2325

■ 29.9126, 0.3871,
0.2418

■ 35.3567, 0.3699,
0.2542

■ 42.2632, 0.3547,
0.2686

■ 50.7304, 0.3414,
0.2840

■ 60.8481, 0.3301,
0.2995

■ 72.6991, 0.3206,
0.3146

Harmonies

Analogous

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



20.2148, 0.3068, 0.1734



20.2148, 0.4644, 0.2332



20.2148, 0.5765, 0.3075

Triad

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



20.2148, 0.4644, 0.2332



20.2148, 0.3817, 0.5873



20.2148, 0.0966, 0.1718

Complementary

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



20.2148, 0.4644, 0.2332



62.6508, 0.2805, 0.5299

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.



20.2148, 0.1045, 0.2650



20.2148, 0.4644, 0.2332



20.2148, 0.2601, 0.5998

Square

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



20.2148, 0.4644, 0.2332



20.2148, 0.4985, 0.4884



20.2148, 0.1572, 0.4425



20.2148, 0.1223, 0.1384

Rectangle

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



20.2148, 0.4644, 0.2332



20.2148, 0.5894, 0.3606



20.2148, 0.1572, 0.4425



20.2148, 0.0953, 0.1945

Sweetspot

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



20.2160, 0.4644, 0.2332



58.6272, 0.3416, 0.2838



8.9216, 0.1857, 0.0797



11.6139, 0.3470, 0.2772



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.



20.2160, 0.4644, 0.2332



23.4074, 0.4651, 0.2336



18.4018, 0.6328, 0.3260



15.9130, 0.3202, 0.3154



11.1977, 0.4616, 0.2316



0.9513, 0.4379, 0.2186

Inverse Universe

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



20.2160, 0.4644, 0.2332



23.4074, 0.4651, 0.2336



66.8485, 0.2320, 0.3552



15.9130, 0.3202, 0.3154



11.1977, 0.4616, 0.2316



0.9513, 0.4379, 0.2186

Previews

White Background



This preview shows how the Yxy color 20.2148, 0.4644, 0.2332 looks on a white background.

Color Contrast Check

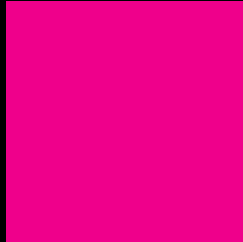
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2148, 0.4644, 0.2332 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 20.2148, 0.4644, 0.2332

Background



This preview shows how black text looks on a background with the Yxy color 20.2148, 0.4644, 0.2332.



This preview shows how white text looks on a background with the Yxy color 20.2148, 0.4644, 0.2332.

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

20.2148, 0.4644, 0.2332

Protanopia

20.8774, 0.2226, 0.2071

Deuteranopia

20.8224, 0.3231, 0.3168



Tritanopia

20.5103, 0.5778, 0.3291

Trichromacy



Original Color

20.2148, 0.4644, 0.2332



Protanomaly

15.0527, 0.2823, 0.1835



Deuteranomaly

16.1409, 0.3781, 0.2500



Tritanomaly

19.7068, 0.5483, 0.2931

Monochromacy



Original Color

20.2148, 0.4644, 0.2332



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.5238, 0.3846, 0.2422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2148, 0.4644, 0.2332 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(239, 0, 139)` looks like.

```
.text, #text, p{  
    color:rgb(239, 0, 139)  
}
```

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(239, 0, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 139) }
```

Border

The CSS property to change the border of an element to Yxy 20.2148, 0.4644, 0.2332 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(239, 0, 139) }
```

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

```
.border{ border-color:rgb(239, 0, 139) }
```

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

Here you see how a box with a 4 pixel rgb(239, 0, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 0, 139);  
box-shadow:4px 4px 4px 4px rgb(239, 0,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2148, 0.4644, 0.2332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 0, 139) }
```

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

```
.background{ background-color: rgb(239, 0,  
139) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor