

Converting Colors

$Y_{xy}(20.1343, 0.4305, 0.2157)$

Have a look what the booklet for
Yxy(20.1343, 0.4305, 0.2157)
contains.

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Color

Yxy(20.2144, 0.4301, 0.2156)

Conversions

Conversions Part 1

Format	Color
Hex	EB079C
RGB	235, 7, 156
RGB Percent	92%, 3%, 61%
CMY	0.0786, 0.9709, 0.3883
CMYK	0.00, 0.97, 0.34, 0.08
HSL	321°, 94%, 48%
HSV	321°, 97%, 92%
XYZ	40.3257, 20.2144, 33.2187
YIQ	92.1580, 88.0590, 94.6750

Conversions

Conversions Part 2

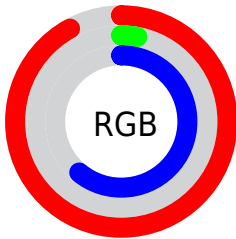
Format	Color
RYB	235, 7, 156
Decimal	15402908
CIELab	52.08, 82.27, -17.26
CIELCh	52, 84.057, 348.149
Yxy	20.2144, 0.4301, 0.2156
Android (android.graphics.Color)	4293592988 (0xFFEB079C)
YUV	92.1580, 31.4741, 125.2724
Hunter-Lab	44.9604, 81.4185, -12.3338

Details

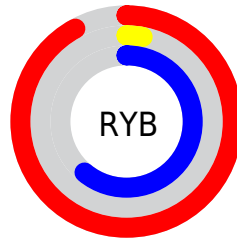
The Yxy color **20.2144, 0.4301, 0.2156** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **60.1185, 0.2851, 0.5444**, and the grayscale version is **10.7078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6985, 0.3645, 0.2205**, and **9.9042, 0.4504, 0.2255** is the 20% darker color. If you saturate the color by 10%, you get **19.9681, 0.4349, 0.2169**, and if you desaturate by 10%, it is **21.3156, 0.4150, 0.2134**.

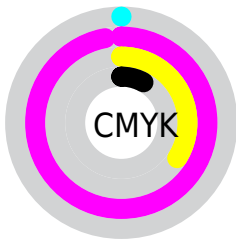
Distribution



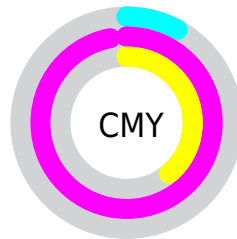
- Red (92%)
- Green (3%)
- Blue (61%)



- Red (92%)
- Yellow (3%)
- Blue (61%)



- Cyan (0%)
- Magenta (97%)
- Yellow (34%)
- Black (8%)





- Cyan (8%)
- Magenta (97%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2144, 0.4301, 0.2156 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 20.2144, 0.4301, 0.2156 by changing the saturation by 10% instead.


 20.2144, 0.4301,
0.2156


 20.2144, 0.4301,
0.2156


253.0734, 0.3669,
0.2742


 12.5510, 0.4473,
0.2007

 43.7763, 0.4061,
0.2372

 7.1201, 0.4701,
0.1814


 60.4437, 0.3974,
0.2452


 3.5373, 0.5017,
0.1560


 80.8811, 0.3901,
0.2520

 1.4183, 0.5478,
0.1216

 105.4730, 0.3840,
0.2577

 0.2301, 0.6376,
0.0469

 134.6038, 0.3788,
0.2627

 0.0000, 0.8289,
0.0000

 168.6579, 0.3743,

 0.0000, 1.0000,

0.2670

0.0000

208.0196, 0.3703,
0.2708

■ 0.0000, 0.0000,
0.0000

■ 20.2144, 0.4301,
0.2156

■ 20.2144, 0.4301,
0.2156

■ 19.9681, 0.4349,
0.2169

■ 21.3156, 0.4150,
0.2134

■ 23.3214, 0.3995,
0.2164

■ 26.4039, 0.3842,
0.2242

■ 30.6975, 0.3696,
0.2360

■ 36.3165, 0.3562,
0.2506

■ 43.3621, 0.3443,
0.2670

■ 51.9256, 0.3338,
0.2842

■ 62.0905, 0.3248,
0.3014

■ 73.9344, 0.3172,
0.3180

Harmonies

Analogous

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



20.2144, 0.2733, 0.1610



20.2144, 0.4301, 0.2156



20.2144, 0.5644, 0.2884

Triad

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



20.2144, 0.4301, 0.2156



20.2144, 0.4098, 0.5707



20.2144, 0.0927, 0.1842

Complementary

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



20.2144, 0.4301, 0.2156



60.1185, 0.2851, 0.5444

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.



20.2144, 0.1091, 0.2977



20.2144, 0.4301, 0.2156



20.2144, 0.2860, 0.6182

Square

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



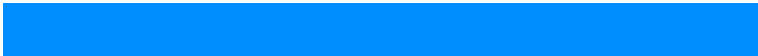
20.2144, 0.4301, 0.2156



20.2144, 0.5237, 0.4642



20.2144, 0.1745, 0.4926



20.2144, 0.1108, 0.1399

Rectangle

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



20.2144, 0.4301, 0.2156



20.2144, 0.5953, 0.3405



20.2144, 0.1745, 0.4926



20.2144, 0.0939, 0.2123

Sweetspot

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



20.2155, 0.4301, 0.2156



60.0038, 0.3361, 0.2802



8.0079, 0.1764, 0.0757



11.8880, 0.3405, 0.2729



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.



20.2155, 0.4301, 0.2156



24.0311, 0.4355, 0.2173



18.0081, 0.6109, 0.3161



15.2198, 0.3191, 0.3137



11.1427, 0.4326, 0.2157



0.8930, 0.4131, 0.2049

Inverse Universe

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



20.2155, 0.4301, 0.2156



24.0311, 0.4355, 0.2173



63.4730, 0.2397, 0.3816



15.2198, 0.3191, 0.3137



11.1427, 0.4326, 0.2157



0.8930, 0.4131, 0.2049

Previews

White Background



This preview shows how the Yxy color 20.2144, 0.4301, 0.2156 looks on a white background.

Color Contrast Check

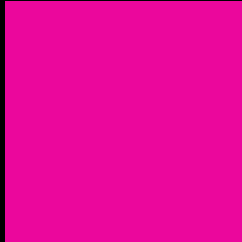
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2144, 0.4301, 0.2156 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 20.2144, 0.4301, 0.2156

Background



This preview shows how black text looks on a background with the Yxy color 20.2144, 0.4301, 0.2156.



This preview shows how white text looks on a background with the Yxy color 20.2144, 0.4301, 0.2156.

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

20.2144, 0.4301, 0.2156

Protanopia

20.9090, 0.2008, 0.1787

Deuteranopia

20.5526, 0.2947, 0.2888



Tritanopia

20.4734, 0.5603, 0.3281

Trichromacy



Original Color

20.2144, 0.4301, 0.2156



Protanomaly

15.0951, 0.2478, 0.1603



Deuteranomaly

16.1227, 0.3431, 0.2283



Tritanomaly

19.5079, 0.5237, 0.2843

Monochromacy



Original Color

20.2144, 0.4301, 0.2156



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.5046, 0.3683, 0.2379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2144, 0.4301, 0.2156 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(235, 7, 156)` looks like.

```
.text, #text, p{  
    color:rgb(235, 7, 156)  
}
```

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(235, 7, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 7, 156) }
```

Border

The CSS property to change the border of an element to Yxy 20.2144, 0.4301, 0.2156 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(235, 7, 156) }
```

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

```
.border{ border-color:rgb(235, 7, 156) }
```

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

Here you see how a box with a 4 pixel rgb(235, 7, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 7, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 7, 156);  
box-shadow:4px 4px 4px 4px rgb(235, 7,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2144, 0.4301, 0.2156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 7, 156) }
```

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

```
.background{ background-color: rgb(235, 7,  
156) }
```

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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