

Converting Colors

$Y_{xy}(20.0999, 0.4248, 0.2114)$

Have a look what the booklet for
Yxy(20.0999, 0.4248, 0.2114)
contains.

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Color

Yxy(20.1654, 0.4254, 0.2117)

Conversions

Conversions Part 1

Format	Color
Hex	EB009F
RGB	235, 0, 159
RGB Percent	92%, 0%, 62%
CMY	0.0784, 1.0000, 0.3764
CMYK	0.00, 1.00, 0.32, 0.08
HSL	319°, 100%, 46%
HSV	319°, 100%, 92%
XYZ	40.5213, 20.1654, 34.5679
YIQ	88.3910, 89.0210, 99.2690

Conversions

Conversions Part 2

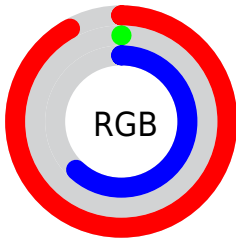
Format	Color
R_{YB}	235, 0, 159
Decimal	15401119
CIE _{Lab}	52.02, 83.11, -19.16
CIE _{LCh}	52, 85.288, 347.021
Yxy	20.1654, 0.4254, 0.2117
Android (android.graphics.Color)	4293591199 (0xFFEB009F)
YUV	88.3910, 34.8102, 128.5761
Hunter-Lab	44.9059, 82.4860, -14.2064

Details

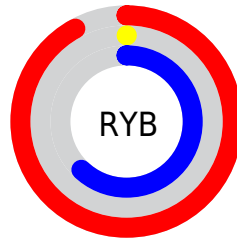
The Yxy color **20.1654, 0.4254, 0.2117** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **59.9400, 0.2879, 0.5564**, and the grayscale version is **9.7572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6644, 0.3613, 0.2172**, and **10.0602, 0.4473, 0.2238** is the 20% darker color. If you saturate the color by 10%, you get **20.1667, 0.4254, 0.2117**, and if you desaturate by 10%, it is **21.0716, 0.4117, 0.2090**.

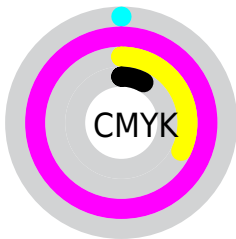
Distribution



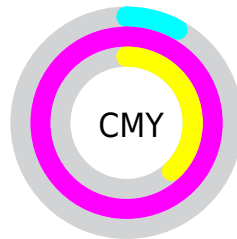
- Red (92%)
- Green (0%)
- Blue (62%)



- Red (92%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1654, 0.4254, 0.2117 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 20.1654, 0.4254, 0.2117 by changing the saturation by 10% instead.


 20.1654, 0.4254,
0.2117


 20.1654, 0.4254,
0.2117


252.8091, 0.3651,
0.2719


 12.5153, 0.4416,
0.1965


 43.6943, 0.4026,
0.2338


 7.0957, 0.4631,
0.1770


 60.3420, 0.3943,
0.2420


 3.5220, 0.4927,
0.1515


 80.7576, 0.3874,
0.2490

 1.4099, 0.5355,
0.1171

 105.3256, 0.3815,
0.2549

 0.2240, 0.6186,
0.0438

 134.4303, 0.3765,
0.2600

 0.0000, 0.7664,
0.0000

 168.4562, 0.3722,


 0.0000, 1.0000,


0.2645


0.0000


207.7877, 0.3684,
0.2684

 0.0000, 0.0000,
0.0000


 20.1654, 0.4254,
0.2117


 20.1654, 0.4254,
0.2117


 20.1667, 0.4254,
0.2117

 21.0716, 0.4117,
0.2090

 22.7603, 0.3976,
0.2108

 25.4758, 0.3835,
0.2176

 29.3605, 0.3699,
0.2287

 34.5343, 0.3572,
0.2430

■ 41.1021, 0.3457,
0.2594

■ 49.1578, 0.3355,
0.2770

■ 58.7873, 0.3266,
0.2948

■ 70.0700, 0.3191,
0.3123

Harmonies

Analogous

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



20.1654, 0.2675, 0.1577



20.1654, 0.4254, 0.2117



20.1654, 0.5645, 0.2844

Triad

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



20.1654, 0.4254, 0.2117



20.1654, 0.4144, 0.5695



20.1654, 0.0906, 0.1850

Complementary

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



20.1654, 0.4254, 0.2117



59.9400, 0.2879, 0.5564

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.



20.1654, 0.1083, 0.3030



20.1654, 0.4254, 0.2117



20.1654, 0.2892, 0.6237

Square

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



20.1654, 0.4254, 0.2117



20.1654, 0.5291, 0.4604



20.1654, 0.1760, 0.5032



20.1654, 0.1077, 0.1387

Rectangle

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



20.1654, 0.4254, 0.2117



20.1654, 0.5984, 0.3365



20.1654, 0.1760, 0.5032



20.1654, 0.0922, 0.2143

Sweetspot

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



20.1667, 0.4254, 0.2117



59.0283, 0.3356, 0.2768



7.4708, 0.1710, 0.0715



11.7096, 0.3398, 0.2693



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.



20.1667, 0.4254, 0.2117



24.2599, 0.4260, 0.2120



17.8377, 0.6147, 0.3160



15.2261, 0.3187, 0.3132



11.2477, 0.4233, 0.2106



0.9007, 0.4056, 0.2008

Inverse Universe

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



20.1667, 0.4254, 0.2117



24.2599, 0.4260, 0.2120



63.2207, 0.2415, 0.3893



15.2261, 0.3187, 0.3132



11.2477, 0.4233, 0.2106



0.9007, 0.4056, 0.2008

Previews

White Background



This preview shows how the Yxy color 20.1654, 0.4254, 0.2117 looks on a white background.

Color Contrast Check

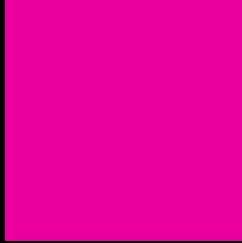
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1654, 0.4254, 0.2117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

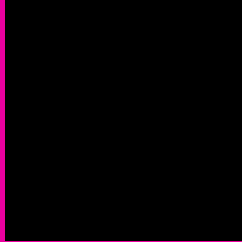
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.1654, 0.4254, 0.2117

Background



This preview shows how black text looks on a background with the Yxy color 20.1654, 0.4254, 0.2117.



This preview shows how white text looks on a background with the Yxy color 20.1654, 0.4254, 0.2117.

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

20.1654, 0.4254, 0.2117

Protanopia

20.9610, 0.1975, 0.1744

Deuteranopia

20.8161, 0.2905, 0.2855



Tritanopia

20.5947, 0.5583, 0.3281

Trichromacy



Original Color

20.1654, 0.4254, 0.2117



Protanomaly

14.6996, 0.2421, 0.1543



Deuteranomaly

15.8228, 0.3376, 0.2215



Tritanomaly

19.4074, 0.5210, 0.2812

Monochromacy



Original Color

20.1654, 0.4254, 0.2117



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.7060, 0.3665, 0.2304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1654, 0.4254, 0.2117 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, 0, 159)` looks like.

```
.text, #text, p{  
  color:rgb(235, 0, 159)  
}
```

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, 0, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 159) }
```

Border

The CSS property to change the border of an element to Yxy 20.1654, 0.4254, 0.2117 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, 0, 159) }
```

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

```
.border{ border-color:rgb(235, 0, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 0, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 159);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1654, 0.4254, 0.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 159) }
```

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

```
.background{ background-color: rgb(235, 0,  
159) }
```

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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