

Converting Colors

$Yxy(20.4129, 0.4338, 0.2164)$

Have a look what the booklet for
Yxy(20.4129, 0.4338, 0.2164)
contains.

Yxy(20.3711, 0.4345, 0.2167)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.3711, 0.4345, 0.2167)

Conversions

Conversions Part 1

Format	Color
Hex	ED009B
RGB	237, 0, 155
RGB Percent	93%, 0%, 61%
CMY	0.0705, 1.0000, 0.3922
CMYK	0.00, 1.00, 0.35, 0.07
HSL	321°, 100%, 46%
HSV	321°, 100%, 93%
XYZ	40.8456, 20.3711, 32.7893
YIQ	88.5330, 91.4970, 98.4490

Conversions

Conversions Part 2

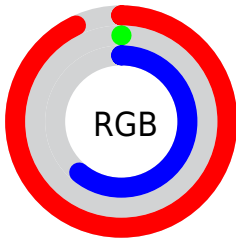
Format	Color
R_{YB}	237, 0, 155
Decimal	15532187
CIE _{Lab}	52.25, 83.12, -16.38
CIE _{LCh}	52, 84.715, 348.854
Yxy	20.3711, 0.4345, 0.2167
Android (android.graphics.Color)	4293722267 (0xFFED009B)
YUV	88.5330, 32.7682, 130.2056
Hunter-Lab	45.1344, 82.5535, -11.4791

Details

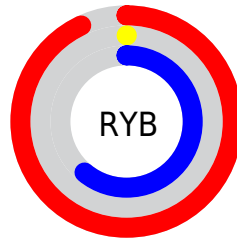
The Yxy color **20.3711, 0.4345, 0.2167** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **61.1877, 0.2863, 0.5506**, and the grayscale version is **9.7944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4625, 0.3658, 0.2206**, and **10.1134, 0.4557, 0.2284** is the 20% darker color. If you saturate the color by 10%, you get **20.3740, 0.4345, 0.2167**, and if you desaturate by 10%, it is **21.3001, 0.4195, 0.2134**.

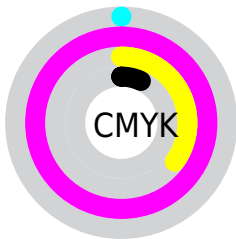
Distribution



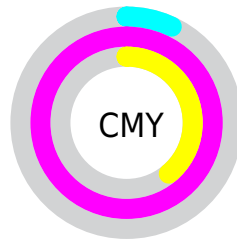
- Red (93%)
- Green (0%)
- Blue (61%)



- Red (93%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3711, 0.4345, 0.2167 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 20.3711, 0.4345, 0.2167 by changing the saturation by 10% instead.


 20.3711, 0.4345,
0.2167


 20.3711, 0.4345,
0.2167


253.9171, 0.3688,
0.2748


 12.6651, 0.4524,
0.2018


 44.0385, 0.4095,
0.2381


 7.1983, 0.4762,
0.1827


 60.7687, 0.4004,
0.2461


 3.5864, 0.5091,
0.1574


 81.2757, 0.3929,
0.2528


 1.4450, 0.5572,
0.1231

 105.9439, 0.3866,
0.2585

 0.2496, 0.6492,
0.0503

 135.1578, 0.3812,
0.2634

 0.0000, 0.8575,
0.0000

 169.3016, 0.3765,

 0.0000, 1.0000,

0.2677

0.0000

208.7600, 0.3724,
0.2715

■ 0.0000, 0.0000,
0.0000

■ 20.3711, 0.4345,
0.2167

■ 20.3711, 0.4345,
0.2167

■ 20.3740, 0.4345,
0.2167

■ 21.3001, 0.4195,
0.2134

■ 23.0286, 0.4041,
0.2147

■ 25.8065, 0.3888,
0.2210

■ 29.7796, 0.3740,
0.2317

■ 35.0703, 0.3602,
0.2456

■ 41.7858, 0.3478,
0.2616

■ 50.0221, 0.3369,
0.2786

■ 59.8671, 0.3275,
0.2959

■ 71.4015, 0.3195,
0.3128

Harmonies

Analogous

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



20.3711, 0.2763, 0.1614



20.3711, 0.4345, 0.2167



20.3711, 0.5676, 0.2898

Triad

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



20.3711, 0.4345, 0.2167



20.3711, 0.4068, 0.5737



20.3711, 0.0920, 0.1818

Complementary

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



20.3711, 0.4345, 0.2167



61.1877, 0.2863, 0.5506

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.



20.3711, 0.1075, 0.2937



20.3711, 0.4345, 0.2167



20.3711, 0.2826, 0.6191

Square

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



20.3711, 0.4345, 0.2167



20.3711, 0.5220, 0.4668



20.3711, 0.1716, 0.4888



20.3711, 0.1110, 0.1387

Rectangle

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



20.3711, 0.4345, 0.2167



20.3711, 0.5965, 0.3421



20.3711, 0.1716, 0.4888



20.3711, 0.0929, 0.2095

Sweetspot

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



20.3740, 0.4345, 0.2167



58.9309, 0.3370, 0.2784



7.7779, 0.1731, 0.0727



11.6863, 0.3415, 0.2711



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.



20.3740, 0.4345, 0.2167



24.0411, 0.4350, 0.2170



18.1573, 0.6186, 0.3182



15.2201, 0.3191, 0.3137



11.1473, 0.4321, 0.2154



0.8933, 0.4127, 0.2047

Inverse Universe

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



20.3740, 0.4345, 0.2167



24.0411, 0.4350, 0.2170



64.6330, 0.2399, 0.3835



15.2201, 0.3191, 0.3137



11.1473, 0.4321, 0.2154



0.8933, 0.4127, 0.2047

Previews

White Background



This preview shows how the Yxy color 20.3711, 0.4345, 0.2167 looks on a white background.

Color Contrast Check

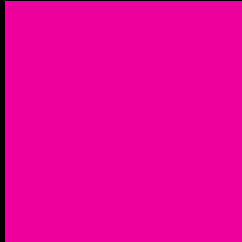
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3711, 0.4345, 0.2167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

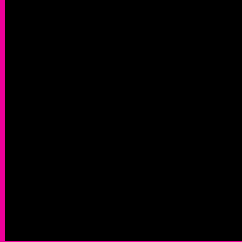
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3711, 0.4345, 0.2167

Background



This preview shows how black text looks on a background with the Yxy color 20.3711, 0.4345, 0.2167.



This preview shows how white text looks on a background with the Yxy color 20.3711, 0.4345, 0.2167.

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

20.3711, 0.4345, 0.2167

Protanopia

21.1892, 0.2026, 0.1814

Deuteranopia

20.9254, 0.2980, 0.2925



Tritanopia

20.6966, 0.5623, 0.3274

Trichromacy



Original Color

20.3711, 0.4345, 0.2167



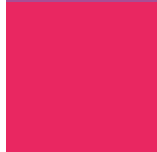
Protanomaly

14.9293, 0.2505, 0.1598



Deuteranomaly

16.0219, 0.3477, 0.2280



Tritanomaly

19.6377, 0.5265, 0.2834

Monochromacy



Original Color

20.3711, 0.4345, 0.2167



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.9581, 0.3716, 0.2346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3711, 0.4345, 0.2167 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(237, 0, 155)` looks like.

```
.text, #text, p{  
  color:rgb(237, 0, 155)  
}
```

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(237, 0, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 155) }
```

Border

The CSS property to change the border of an element to Yxy 20.3711, 0.4345, 0.2167 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(237, 0, 155) }
```

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

```
.border{ border-color:rgb(237, 0, 155) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 155);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3711, 0.4345, 0.2167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 155) }
```

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

```
.background{ background-color: rgb(237, 0,  
155) }
```

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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