

Converting Colors

$Y_{xy}(22.2087, 0.4808, 0.2712)$

Have a look what the booklet for
Yxy(22.2087, 0.4808, 0.2712)
contains.

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Color

Yxy(22.1706, 0.4805, 0.2712)

Conversions

Conversions Part 1

Format	Color
Hex	EB3B79
RGB	235, 59, 121
RGB Percent	92%, 23%, 47%
CMY	0.0784, 0.7687, 0.5255
CMYK	0.00, 0.75, 0.49, 0.08
HSL	339°, 81%, 58%
HSV	339°, 75%, 92%
XYZ	39.2809, 22.1706, 20.2985
YIQ	118.6920, 84.9940, 56.5940

Conversions

Conversions Part 2

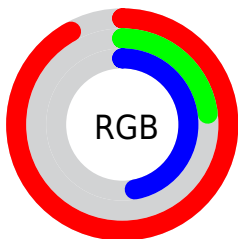
Format	Color
R_{YB}	235, 59, 121
Decimal	15416185
CIE _{Lab}	54.21, 69.82, 6.80
CIE _{LCh}	54, 70.147, 5.559
Yxy	22.1706, 0.4805, 0.2712
Android (android.graphics.Color)	4293606265 (0xFFEB3B79)
YUV	118.6920, 1.1378, 102.0021
Hunter-Lab	47.0857, 66.5124, 7.4002

Details

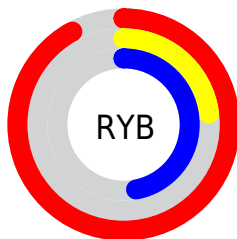
The Yxy color **22.1706, 0.4805, 0.2712** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle washed rose. A complement of this color would be **63.3738, 0.2567, 0.4165**, and the grayscale version is **18.3195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9519, 0.4045, 0.2760**, and **9.3653, 0.5276, 0.2680** is the 20% darker color. If you saturate the color by 10%, you get **19.9319, 0.5144, 0.2736**, and if you desaturate by 10%, it is **25.5570, 0.4471, 0.2735**.

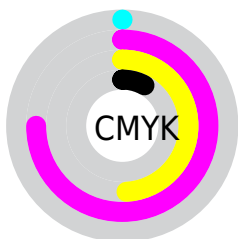
Distribution



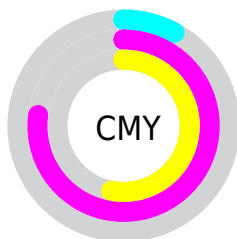
- Red (92%)
- Green (23%)
- Blue (47%)



- Red (92%)
- Yellow (23%)
- Blue (47%)



- Cyan (0%)
- Magenta (75%)
- Yellow (49%)
- Black (8%)




- Cyan (8%)
- Magenta (77%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1706, 0.4805, 0.2712 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 22.1706, 0.4805, 0.2712 by changing the saturation by 10% instead.


 22.1706, 0.4805,
0.2712

 22.1706, 0.4805,
0.2712


263.4359, 0.3869,
0.3049


 13.9823, 0.5070,
0.2610


 47.0278, 0.4441,
0.2847


 8.1084, 0.5428,
0.2468


 64.4655, 0.4312,
0.2894

 4.1644, 0.5933,
0.2261

 85.7551, 0.4205,
0.2932

 1.7659, 0.6676,
0.1937

 111.2811, 0.4116,
0.2964

 0.4658, 0.8551,
0.1356

 141.4277, 0.4040,
0.2990

 0.0000, 1.0000,
0.0000

176.5795, 0.3975,

 0.0000, 0.0000,

0.3013

0.0000

217.1207, 0.3919,
0.3032

■ 22.1706, 0.4805,
0.2712

■ 22.1706, 0.4805,
0.2712

■ 19.9319, 0.5144,
0.2736

■ 25.5570, 0.4471,
0.2735

■ 18.6755, 0.5459,
0.2811

■ 30.2192, 0.4163,
0.2793


■ 18.2868, 0.5606,
0.2862


■ 36.2721, 0.3892,
0.2874

■ 43.8169, 0.3662,
0.2966

■ 52.9450, 0.3470,
0.3063

 63.7406, 0.3311,
0.3157

 76.2819, 0.3182,
0.3248

 90.6420, 0.3076,
0.3332

 96.4054, 0.3005,
0.3290

Harmonies

Analogous

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



22.1706, 0.3544, 0.2100



22.1706, 0.4805, 0.2712



22.1706, 0.5478, 0.3433

Triad

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



22.1706, 0.4805, 0.2712



22.1706, 0.3465, 0.5629



22.1706, 0.1258, 0.1791

Complementary

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



22.1706, 0.4805, 0.2712



63.3738, 0.2567, 0.4165

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.



22.1706, 0.1235, 0.2433



22.1706, 0.4805, 0.2712



22.1706, 0.2400, 0.5141

Square

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



22.1706, 0.4805, 0.2712



22.1706, 0.4506, 0.5075



22.1706, 0.1594, 0.3683



22.1706, 0.1617, 0.1591

Rectangle

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



22.1706, 0.4805, 0.2712



22.1706, 0.5436, 0.3952



22.1706, 0.1594, 0.3683



22.1706, 0.1213, 0.1946

Sweetspot

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



22.1719, 0.4805, 0.2712



67.1577, 0.3422, 0.3090



17.7239, 0.2533, 0.1350



13.6595, 0.3468, 0.3063



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.



22.1719, 0.4805, 0.2712



23.0249, 0.5322, 0.2771



24.0840, 0.5525, 0.3492



15.1417, 0.3238, 0.3207



10.1975, 0.5565, 0.2839



0.8184, 0.5180, 0.2627

Inverse Universe

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



22.1719, 0.4805, 0.2712



23.0249, 0.5322, 0.2771



53.7893, 0.2224, 0.2974



15.1417, 0.3238, 0.3207



10.1975, 0.5565, 0.2839



0.8184, 0.5180, 0.2627

Previews

White Background



This preview shows how the Yxy color 22.1706, 0.4805, 0.2712 looks on a white background.

Color Contrast Check

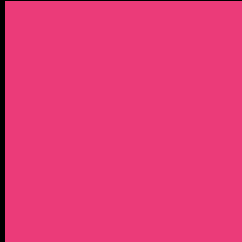
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1706, 0.4805, 0.2712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

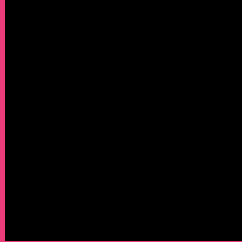
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1706, 0.4805, 0.2712

Background



This preview shows how black text looks on a background with the Yxy color 22.1706, 0.4805, 0.2712.



This preview shows how white text looks on a background with the Yxy color 22.1706, 0.4805, 0.2712.

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

22.1706, 0.4805, 0.2712

Protanopia

22.4495, 0.2753, 0.2764

Deuteranopia

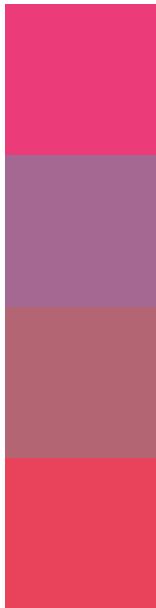
22.2266, 0.3578, 0.3511



Tritanopia

22.1567, 0.5428, 0.3271

Trichromacy



Original Color

22.1706, 0.4805, 0.2712

Protanomaly

19.8685, 0.3393, 0.2649

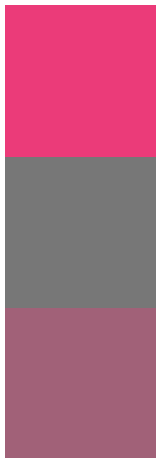
Deuteranomaly

20.2485, 0.4054, 0.3089

Tritanomaly

22.0933, 0.5224, 0.3078

Monochromacy



Original Color

22.1706, 0.4805, 0.2712

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.4825, 0.3739, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1706, 0.4805, 0.2712 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, 59, 121)` looks like.

```
.text, #text, p{  
    color:rgb(235, 59, 121)  
}
```

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, 59, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 59, 121) }
```

Border

The CSS property to change the border of an element to Yxy 22.1706, 0.4805, 0.2712 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, 59, 121) }
```

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

```
.border{ border-color:rgb(235, 59, 121) }
```

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

Here you see how a box with a 4 pixel rgb(235, 59, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 59, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 59, 121);  
box-shadow:4px 4px 4px 4px rgb(235, 59,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1706, 0.4805, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 59, 121) }
```

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

```
.background{ background-color: rgb(235, 59,  
121) }
```

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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