

Converting Colors

$Y_{xy}(22.4537, 0.3990, 0.2144)$

Have a look what the booklet for
Yxy(22.4537, 0.3990, 0.2144)
contains.

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Color

Yxy(22.4637, 0.3985, 0.2141)

Conversions

Conversions Part 1

Format	Color
Hex	E833AB
RGB	232, 51, 171
RGB Percent	91%, 20%, 67%
CMY	0.0902, 0.7999, 0.3295
CMYK	0.00, 0.78, 0.26, 0.09
HSL	320°, 80%, 55%
HSV	320°, 78%, 91%
XYZ	41.8112, 22.4637, 40.6466
YIQ	118.7990, 69.3560, 75.6920

Conversions

Conversions Part 2

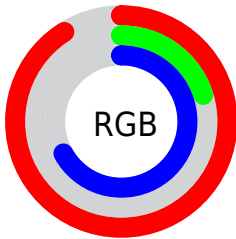
Format	Color
R _Y B	232, 51, 171
Decimal	15217579
CIE Lab	54.52, 76.32, -22.43
CIE LCh	55, 79.548, 343.623
Yxy	22.4637, 0.3985, 0.2141
Android (android.graphics.Color)	4293407659 (0xFFE833AB)
YUV	118.7990, 25.7351, 99.2773
Hunter-Lab	47.3959, 74.5246, -17.6698

Details

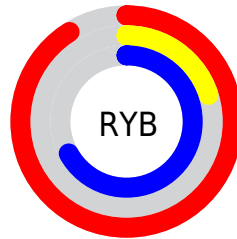
The Yxy color **22.4637, 0.3985, 0.2141** is a light color, and the websafe version is hex **CC0099**. The color can be described as light washed rose. A complement of this color would be **59.5891, 0.2813, 0.5057**, and the grayscale version is **18.2852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2968, 0.3453, 0.2212**, and **10.1026, 0.4171, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **20.6278, 0.4134, 0.2115**, and if you desaturate by 10%, it is **25.3298, 0.3837, 0.2216**.

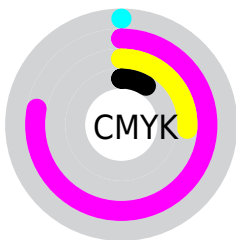
Distribution



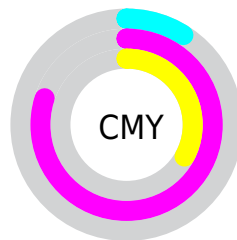
- Red (91%)
- Green (20%)
- Blue (67%)



- Red (91%)
- Yellow (20%)
- Blue (67%)



- Cyan (0%)
- Magenta (78%)
- Yellow (26%)
- Black (9%)




- Cyan (9%)
- Magenta (80%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4637, 0.3985, 0.2141 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 22.4637, 0.3985, 0.2141 by changing the saturation by 10% instead.


 22.4637, 0.3985,
0.2141


 22.4637, 0.3985,
0.2141


264.9584, 0.3539,
0.2720


 14.1980, 0.4101,
0.1998


 47.5112, 0.3819,
0.2351


 8.2585, 0.4252,
0.1816


 65.0618, 0.3758,
0.2430

 4.2608, 0.4455,
0.1580


 86.4762, 0.3707,
0.2497

 1.8205, 0.4742,
0.1264

 112.1387, 0.3663,
0.2554

 0.4999, 0.5208,
0.0766

 142.4338, 0.3625,
0.2604

 0.0000, 0.6015,
0.0000

177.7459, 0.3593,


 0.0000, 1.0000,


0.2648

0.0000


218.4592, 0.3564,
0.2686


 0.0000, 0.0000,
0.0000

 22.4637, 0.3985,
0.2141


 22.4637, 0.3985,
0.2141

 20.6278, 0.4134,
0.2115

 25.3298, 0.3837,
0.2216


 19.6338, 0.4279,
0.2139


 29.3554, 0.3695,
0.2332


 19.4813, 0.4308,
0.2147

 34.6544, 0.3565,
0.2478

 41.3260, 0.3447,
0.2642

 49.4597, 0.3344,
0.2815

 59.1373, 0.3255,
0.2990

 70.4346, 0.3179,
0.3160

 83.4221, 0.3115,
0.3322

 95.0497, 0.3063,
0.3426

Harmonies

Analogous

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



22.4637, 0.2586, 0.1653



22.4637, 0.3985, 0.2141



22.4637, 0.5307, 0.2829

Triad

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



22.4637, 0.3985, 0.2141



22.4637, 0.4273, 0.5441



22.4637, 0.1047, 0.2068

Complementary

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



22.4637, 0.3985, 0.2141



59.5891, 0.2813, 0.5057

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.



22.4637, 0.1284, 0.3260



22.4637, 0.3985, 0.2141



22.4637, 0.3110, 0.5946

Square

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



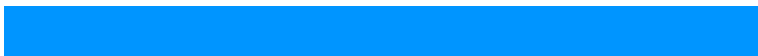
22.4637, 0.3985, 0.2141



22.4637, 0.5270, 0.4478



22.4637, 0.2006, 0.5026



22.4637, 0.1171, 0.1550

Rectangle

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



22.4637, 0.3985, 0.2141



22.4637, 0.5725, 0.3334



22.4637, 0.2006, 0.5026



22.4637, 0.1081, 0.2377

Sweetspot

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



22.4649, 0.3985, 0.2141



66.9090, 0.3299, 0.2901



11.5982, 0.2007, 0.1042



13.4187, 0.3332, 0.2837



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.



22.4649, 0.3985, 0.2141



24.6728, 0.4228, 0.2126



20.1225, 0.5457, 0.3054



14.5283, 0.3189, 0.3135



10.8396, 0.4286, 0.2134



0.8182, 0.4088, 0.2026

Inverse Universe

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



22.4649, 0.3985, 0.2141



24.6728, 0.4228, 0.2126



62.6747, 0.2414, 0.3703



14.5283, 0.3189, 0.3135



10.8396, 0.4286, 0.2134



0.8182, 0.4088, 0.2026

Previews

White Background



This preview shows how the Yxy color 22.4637, 0.3985, 0.2141 looks on a white background.

Color Contrast Check

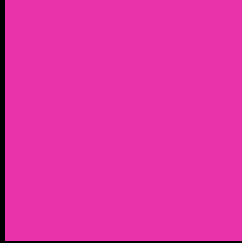
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4637, 0.3985, 0.2141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

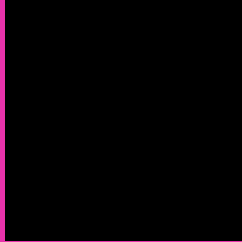
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4637, 0.3985, 0.2141

Background



This preview shows how black text looks on a background with the Yxy color 22.4637, 0.3985, 0.2141.



This preview shows how white text looks on a background with the Yxy color 22.4637, 0.3985, 0.2141.

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

22.4637, 0.3985, 0.2141

Protanopia

23.0268, 0.2035, 0.1830

Deuteranopia

22.6007, 0.2794, 0.2739



Tritanopia

22.4008, 0.5153, 0.3246

Trichromacy



Original Color

22.4637, 0.3985, 0.2141



Protanomaly

19.0717, 0.2459, 0.1775



Deuteranomaly

19.9379, 0.3184, 0.2345



Tritanomaly

22.0112, 0.4773, 0.2819

Monochromacy



Original Color

22.4637, 0.3985, 0.2141



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.3140, 0.3468, 0.2601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4637, 0.3985, 0.2141 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(232, 51, 171)` looks like.

```
.text, #text, p{  
    color:rgb(232, 51, 171)  
}
```

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(232, 51, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 51, 171) }
```

Border

The CSS property to change the border of an element to Yxy 22.4637, 0.3985, 0.2141 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(232, 51, 171) }
```

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

```
.border{ border-color:rgb(232, 51, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 51, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 51, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 51, 171);  
box-shadow:4px 4px 4px 4px rgb(232, 51,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4637, 0.3985, 0.2141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 51, 171) }
```

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

```
.background{ background-color: rgb(232, 51,  
171) }
```

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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