

Converting Colors

$Y_{xy}(22.3072, 0.3884, 0.2143)$

Have a look what the booklet for
Yxy(22.3072, 0.3884, 0.2143)
contains.

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Color

Yxy(22.2752, 0.3888, 0.2145)

Conversions

Conversions Part 1

Format	Color
Hex	E23BAC
RGB	226, 59, 172
RGB Percent	89%, 23%, 67%
CMY	0.1137, 0.7686, 0.3255
CMYK	0.00, 0.74, 0.24, 0.11
HSL	319°, 74%, 56%
HSV	319°, 74%, 89%
XYZ	40.3757, 22.2752, 41.1961
YIQ	121.8150, 63.2590, 70.5470

Conversions

Conversions Part 2

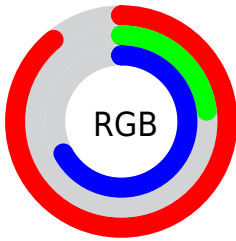
Format	Color
R_{YB}	226, 59, 172
Decimal	14826412
CIE Lab	54.32, 72.77, -23.42
CIE LCh	54, 76.445, 342.163
Yxy	22.2752, 0.3888, 0.2145
Android (android.graphics.Color)	4293016492 (0xFFE23BAC)
YUV	121.8150, 24.7412, 91.3702
Hunter-Lab	47.1966, 70.1091, -18.7144

Details

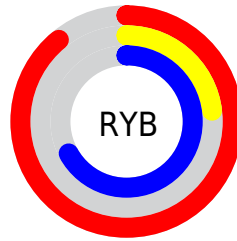
The Yxy color **22.2752, 0.3888, 0.2145** is a light color, and the websafe version is hex **CC3399**. The color can be described as light washed rose. A complement of this color would be **56.5204, 0.2822, 0.4986**, and the grayscale version is **19.3013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5362, 0.3438, 0.2245**, and **9.4389, 0.4075, 0.2018** is the 20% darker color. If you saturate the color by 10%, you get **20.1613, 0.4029, 0.2095**, and if you desaturate by 10%, it is **25.4116, 0.3750, 0.2241**.

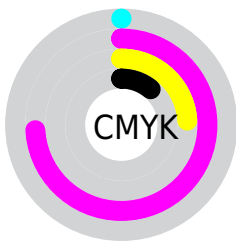
Distribution



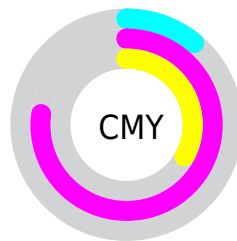
- Red (89%)
- Green (23%)
- Blue (67%)



- Red (89%)
- Yellow (23%)
- Blue (67%)



- Cyan (0%)
- Magenta (74%)
- Yellow (24%)
- Black (11%)





- Cyan (11%)
- Magenta (77%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2752, 0.3888, 0.2145 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 22.2752, 0.3888, 0.2145 by changing the saturation by 10% instead.


 22.2752, 0.3888,
0.2145


 22.2752, 0.3888,
0.2145


263.9801, 0.3494,
0.2722


 14.0593, 0.3989,
0.2002


 47.2004, 0.3742,
0.2355

 8.1619, 0.4121,
0.1820


 64.6785, 0.3688,
0.2434

 4.1987, 0.4298,
0.1583


 86.0127, 0.3643,
0.2500

 1.7853, 0.4545,
0.1267

 111.5875, 0.3604,
0.2557

 0.4780, 0.4952,
0.0755

 141.7872, 0.3571,
0.2607

 0.0000, 0.5628,
0.0000

176.9963, 0.3542,

 0.0000, 1.0000,

0.2650

0.0000

217.5991, 0.3517,
0.2689

■ 0.0000, 0.0000,
0.0000

■ 22.2752, 0.3888,
0.2145

■ 22.2752, 0.3888,
0.2145

■ 20.1613, 0.4029,
0.2095

■ 25.4116, 0.3750,
0.2241

■ 18.9259, 0.4168,
0.2096


■ 29.6827, 0.3619,
0.2373


■ 18.4672, 0.4252,
0.2116


■ 35.1895, 0.3499,
0.2530

■ 42.0209, 0.3392,
0.2702

■ 50.2577, 0.3299,
0.2880

 59.9740, 0.3219,
0.3056

 71.2388, 0.3151,
0.3226

 84.1167, 0.3093,
0.3387

 93.8506, 0.3047,
0.3465

Harmonies

Analogous

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



22.2752, 0.2550, 0.1678



22.2752, 0.3888, 0.2145



22.2752, 0.5185, 0.2816

Triad

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



22.2752, 0.3888, 0.2145



22.2752, 0.4319, 0.5352



22.2752, 0.1099, 0.2151

Complementary

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



22.2752, 0.3888, 0.2145



56.5204, 0.2822, 0.4986

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.



22.2752, 0.1360, 0.3345



22.2752, 0.3888, 0.2145



22.2752, 0.3187, 0.5850

Square

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



22.2752, 0.3888, 0.2145



22.2752, 0.5263, 0.4429



22.2752, 0.2097, 0.5028



22.2752, 0.1203, 0.1611

Rectangle

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



22.2752, 0.3888, 0.2145



22.2752, 0.5628, 0.3314



22.2752, 0.2097, 0.5028



22.2752, 0.1140, 0.2465

Sweetspot

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



22.2764, 0.3888, 0.2145



68.1668, 0.3284, 0.2911



12.0566, 0.2050, 0.1125



13.8974, 0.3307, 0.2862



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.



22.2764, 0.3888, 0.2145



25.4535, 0.4109, 0.2089



20.0299, 0.5234, 0.3016



13.8563, 0.3187, 0.3133



10.5571, 0.4231, 0.2104



0.7479, 0.4034, 0.1996

Inverse Universe

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



22.2764, 0.3888, 0.2145



25.4535, 0.4109, 0.2089



59.2856, 0.2440, 0.3718



13.8563, 0.3187, 0.3133



10.5571, 0.4231, 0.2104



0.7479, 0.4034, 0.1996

Previews

White Background



This preview shows how the Yxy color 22.2752, 0.3888, 0.2145 looks on a white background.

Color Contrast Check

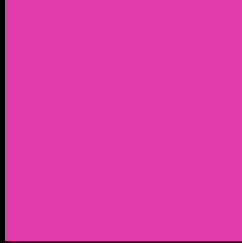
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2752, 0.3888, 0.2145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

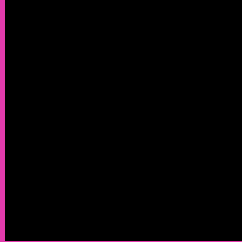
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2752, 0.3888, 0.2145

Background



This preview shows how black text looks on a background with the Yxy color 22.2752, 0.3888, 0.2145.



This preview shows how white text looks on a background with the Yxy color 22.2752, 0.3888, 0.2145.

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

22.2752, 0.3888, 0.2145

Protanopia

22.6897, 0.2063, 0.1857

Deuteranopia

22.5183, 0.2755, 0.2705



Tritanopia

22.1389, 0.4996, 0.3231

Trichromacy



Original Color

22.2752, 0.3888, 0.2145



Protanomaly

19.3622, 0.2477, 0.1818



Deuteranomaly

20.1351, 0.3121, 0.2360



Tritanomaly

21.9178, 0.4616, 0.2808

Monochromacy



Original Color

22.2752, 0.3888, 0.2145



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.2907, 0.3430, 0.2648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2752, 0.3888, 0.2145 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(226, 59, 172)` looks like.

```
.text, #text, p{  
    color:rgb(226, 59, 172)  
}
```

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(226, 59, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 59, 172) }
```

Border

The CSS property to change the border of an element to Yxy 22.2752, 0.3888, 0.2145 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(226, 59, 172) }
```

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

```
.border{ border-color:rgb(226, 59, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 59, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 59, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 59, 172);  
box-shadow:4px 4px 4px 4px rgb(226, 59,  
172) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.2752, 0.3888, 0.2145$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 59, 172) }
```

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

```
.background{ background-color: rgb(226, 59,  
172) }
```

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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