

Converting Colors

$Y_{xy}(22.2772, 0.4839, 0.2692)$

Have a look what the booklet for
Yxy(22.2772, 0.4839, 0.2692)
contains.

Yxy(22.2900, 0.4849, 0.2697)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.2900, 0.4849, 0.2697)

Conversions

Conversions Part 1

Format	Color
Hex	EE3779
RGB	238, 55, 121
RGB Percent	93%, 22%, 47%
CMY	0.0667, 0.7842, 0.5255
CMYK	0.00, 0.77, 0.49, 0.07
HSL	338°, 84%, 57%
HSV	338°, 77%, 93%
XYZ	40.0757, 22.2900, 20.2817
YIQ	117.2410, 87.8820, 59.3220

Conversions

Conversions Part 2

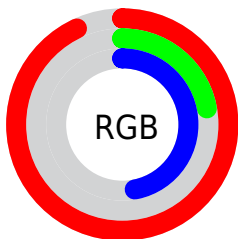
Format	Color
R_{YB}	238, 55, 121
Decimal	15611769
CIE _{Lab}	54.33, 71.77, 7.04
CIE _{LCh}	54, 72.114, 5.605
Yxy	22.2900, 0.4849, 0.2697
Android (android.graphics.Color)	4293801849 (0xFFEE3779)
YUV	117.2410, 1.8532, 105.9056
Hunter-Lab	47.2123, 68.8966, 7.5785

Details

The Yxy color **22.2900, 0.4849, 0.2697** is a dark color, and the websafe version is hex **CC0066**. The color can be described as middle washed rose. A complement of this color would be **64.9363, 0.2571, 0.4216**, and the grayscale version is **17.8455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2340, 0.4054, 0.2732**, and **9.7111, 0.5309, 0.2698** is the 20% darker color. If you saturate the color by 10%, you get **20.2039, 0.5181, 0.2730**, and if you desaturate by 10%, it is **25.5265, 0.4517, 0.2713**.

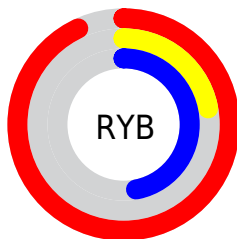
Distribution



Red (93%)

Green (22%)

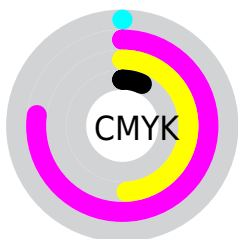
Blue (47%)



Red (93%)

Yellow (22%)

Blue (47%)

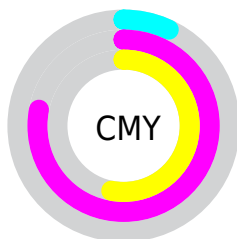


Cyan (0%)

Magenta (77%)

Yellow (49%)

Black (7%)



Cyan (7%)

Magenta (78%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2900, 0.4849, 0.2697 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 22.2900, 0.4849, 0.2697 by changing the saturation by 10% instead.


 22.2900, 0.4849,
0.2697


 22.2900, 0.4849,
0.2697


264.0570, 0.3890,
0.3043

 14.0701, 0.5120,
0.2593


 47.2248, 0.4477,
0.2836

 8.1695, 0.5484,
0.2448

 64.7086, 0.4344,
0.2884


 4.2036, 0.5995,
0.2237

 86.0491, 0.4235,
0.2923

 1.7881, 0.6744,
0.1909

 111.6308, 0.4144,
0.2955

 0.4797, 0.8580,
0.1336

 141.8381, 0.4066,
0.2983

 0.0000, 1.0000,
0.0000

177.0552, 0.3999,

 0.0000, 0.0000,

0.3006

0.0000

217.6668, 0.3941,
0.3026

■ 22.2900, 0.4849,
0.2697

■ 22.2900, 0.4849,
0.2697

■ 20.2039, 0.5181,
0.2730

■ 25.5265, 0.4517,
0.2713

■ 19.0850, 0.5487,
0.2814


■ 30.0504, 0.4207,
0.2767


■ 18.8448, 0.5576,
0.2845


■ 35.9834, 0.3933,
0.2846


■ 43.4319, 0.3697,
0.2939

■ 52.4918, 0.3500,
0.3038

 63.2513, 0.3338,
0.3135

 75.7920, 0.3204,
0.3229

 90.1903, 0.3096,
0.3317

 96.9158, 0.3023,
0.3290

Harmonies

Analogous

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



22.2900, 0.3554, 0.2076



22.2900, 0.4849, 0.2697



22.2900, 0.5533, 0.3425

Triad

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



22.2900, 0.4849, 0.2697



22.2900, 0.3457, 0.5689



22.2900, 0.1226, 0.1759

Complementary

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



22.2900, 0.4849, 0.2697



64.9363, 0.2571, 0.4216

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.



22.2900, 0.1200, 0.2407



22.2900, 0.4849, 0.2697



22.2900, 0.2374, 0.5197

Square

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



22.2900, 0.4849, 0.2697



22.2900, 0.4520, 0.5103



22.2900, 0.1558, 0.3687



22.2900, 0.1589, 0.1560

Rectangle

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



22.2900, 0.4849, 0.2697



22.2900, 0.5481, 0.3951



22.2900, 0.1558, 0.3687



22.2900, 0.1180, 0.1914

Sweetspot

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



22.2913, 0.4849, 0.2697



65.9338, 0.3435, 0.3075



17.5546, 0.2512, 0.1314



13.1834, 0.3497, 0.3039



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.



22.2913, 0.4849, 0.2697



22.7945, 0.5353, 0.2770



24.1048, 0.5611, 0.3488



15.8530, 0.3237, 0.3205



10.5368, 0.5535, 0.2823



0.8950, 0.5172, 0.2623

Inverse Universe

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



22.2913, 0.4849, 0.2697



22.7945, 0.5353, 0.2770



54.8747, 0.2212, 0.2964



15.8530, 0.3237, 0.3205



10.5368, 0.5535, 0.2823



0.8950, 0.5172, 0.2623

Previews

White Background



This preview shows how the Yxy color 22.2900, 0.4849, 0.2697 looks on a white background.

Color Contrast Check

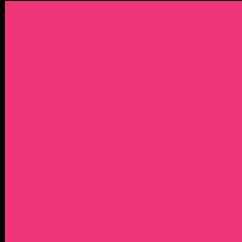
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2900, 0.4849, 0.2697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

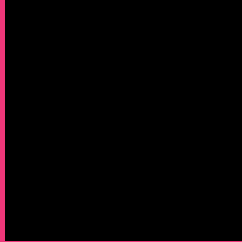
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2900, 0.4849, 0.2697

Background



This preview shows how black text looks on a background with the Yxy color 22.2900, 0.4849, 0.2697.



This preview shows how white text looks on a background with the Yxy color 22.2900, 0.4849, 0.2697.

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

22.2900, 0.4849, 0.2697

Protanopia

22.5201, 0.2735, 0.2733

Deuteranopia

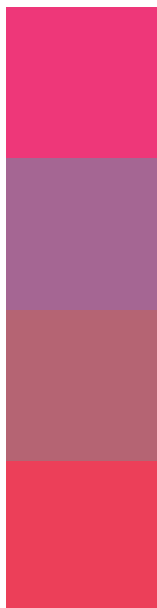
22.2266, 0.3578, 0.3511



Tritanopia

22.2513, 0.5510, 0.3272

Trichromacy



Original Color

22.2900, 0.4849, 0.2697

Protanomaly

19.6087, 0.3396, 0.2608

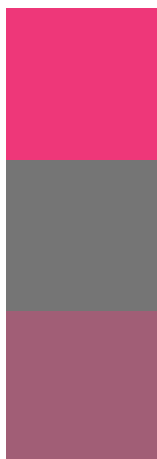
Deuteranomaly

20.1759, 0.4072, 0.3076

Tritanomaly

22.1091, 0.5303, 0.3071

Monochromacy



Original Color

22.2900, 0.4849, 0.2697

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

16.8905, 0.3781, 0.2907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2900, 0.4849, 0.2697 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(238, 55, 121)` looks like.

```
.text, #text, p{  
    color:rgb(238, 55, 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(238, 55, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 55, 121) }
```

Border

The CSS property to change the border of an element to Yxy 22.2900, 0.4849, 0.2697 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(238, 55, 121) }
```

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

```
.border{ border-color:rgb(238, 55, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 55, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 55, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 55, 121);  
box-shadow:4px 4px 4px 4px rgb(238, 55,  
121) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.2900, 0.4849, 0.2697$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 55, 121) }
```

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

```
.background{ background-color: rgb(238, 55,  
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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