

Converting Colors

$Y_{xy}(22.5775, 0.4900, 0.2781)$

Have a look what the booklet for
Yxy(22.5775, 0.4900, 0.2781)
contains.

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Color

Yxy(22.4972, 0.4903, 0.2779)

Conversions

Conversions Part 1

Format	Color
Hex	ED3C74
RGB	237, 60, 116
RGB Percent	93%, 24%, 45%
CMY	0.0706, 0.7646, 0.5452
CMYK	0.00, 0.75, 0.51, 0.07
HSL	341°, 83%, 58%
HSV	341°, 75%, 93%
XYZ	39.6919, 22.4972, 18.7652
YIQ	119.3070, 87.5160, 54.9400

Conversions

Conversions Part 2

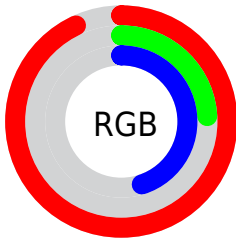
Format	Color
R_{YB}	237, 60, 116
Decimal	15547508
CIE Lab	54.55, 69.63, 10.34
CIE LCh	55, 70.396, 8.446
Yxy	22.4972, 0.4903, 0.2779
Android (android.graphics.Color)	4293737588 (0xFFED3C74)
YUV	119.3070, -1.6304, 103.2168
Hunter-Lab	47.4312, 66.3696, 9.7450

Details

The Yxy color **22.4972, 0.4903, 0.2779** 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 **64.8671, 0.2539, 0.4067**, and the grayscale version is **18.5370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0062, 0.4102, 0.2821**, and **9.5313, 0.5415, 0.2757** is the 20% darker color. If you saturate the color by 10%, you get **20.2011, 0.5261, 0.2807**, and if you desaturate by 10%, it is **25.9725, 0.4548, 0.2796**.

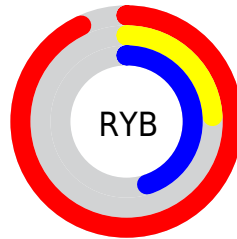
Distribution



Red (93%)

Green (24%)

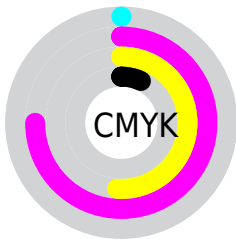
Blue (45%)



Red (93%)

Yellow (24%)

Blue (45%)

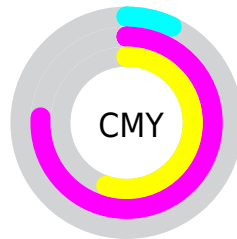


Cyan (0%)

Magenta (75%)

Yellow (51%)

Black (7%)



Cyan (7%)


Magenta (76%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.4972, 0.4903, 0.2779 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 22.4972, 0.4903, 0.2779 by changing the saturation by 10% instead.

 22.4972, 0.4903,
0.2779

 22.4972, 0.4903,
0.2779


265.1319, 0.3913,
0.3088


 14.2227, 0.5182,
0.2682


 47.5664, 0.4519,
0.2905

 8.2757, 0.5558,
0.2545


 65.1299, 0.4382,
0.2949


 4.2719, 0.6083,
0.2340

 86.5585, 0.4269,
0.2983

 1.8268, 0.6845,
0.2016

 112.2366, 0.4174,
0.3012

 0.5038, 0.8567,
0.1433

 142.5486, 0.4094,
0.3036

 0.0000, 1.0000,
0.0000

177.8788, 0.4025,

 0.0000, 0.0000,

0.3056

0.0000

218.6118, 0.3965,
0.3073

■ 22.4972, 0.4903,
0.2779

■ 22.4972, 0.4903,
0.2779

■ 20.2011, 0.5261,
0.2807

■ 25.9725, 0.4548,
0.2796

■ 18.9158, 0.5588,
0.2884


■ 30.7579, 0.4220,
0.2846


■ 18.5114, 0.5744,
0.2938


■ 36.9710, 0.3932,
0.2918

■ 44.7150, 0.3687,
0.3001

■ 54.0838, 0.3484,
0.3088

 65.1634, 0.3317,
0.3173

 78.0339, 0.3182,
0.3254

 92.7701, 0.3071,
0.3330

 96.7444, 0.3017,
0.3290

Harmonies

Analogous

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



22.4972, 0.3671, 0.2152



22.4972, 0.4903, 0.2779



22.4972, 0.5493, 0.3506

Triad

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



22.4972, 0.4903, 0.2779



22.4972, 0.3361, 0.5636



22.4972, 0.1279, 0.1757

Complementary

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



22.4972, 0.4903, 0.2779



64.8671, 0.2539, 0.4067

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.



22.4972, 0.1224, 0.2348



22.4972, 0.4903, 0.2779



22.4972, 0.2307, 0.5023

Square

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



22.4972, 0.4903, 0.2779



22.4972, 0.4412, 0.5150



22.4972, 0.1541, 0.3538



22.4972, 0.1672, 0.1591

Rectangle

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



22.4972, 0.4903, 0.2779



22.4972, 0.5398, 0.4030



22.4972, 0.1541, 0.3538



22.4972, 0.1224, 0.1898

Sweetspot

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



22.4985, 0.4903, 0.2779



67.0517, 0.3438, 0.3110



19.1666, 0.2623, 0.1399



13.6348, 0.3487, 0.3086



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.



22.4985, 0.4903, 0.2779



22.8598, 0.5453, 0.2845



26.0661, 0.5434, 0.3576



15.1325, 0.3243, 0.3216



10.1276, 0.5701, 0.2914



0.8121, 0.5309, 0.2698

Inverse Universe

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



22.4985, 0.4903, 0.2779



22.8598, 0.5453, 0.2845



50.5246, 0.2194, 0.2851



15.1325, 0.3243, 0.3216



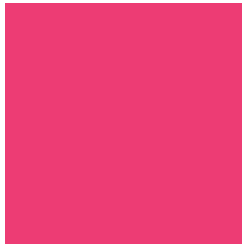
10.1276, 0.5701, 0.2914



0.8121, 0.5309, 0.2698

Previews

White Background



This preview shows how the Yxy color 22.4972, 0.4903, 0.2779 looks on a white background.

Color Contrast Check

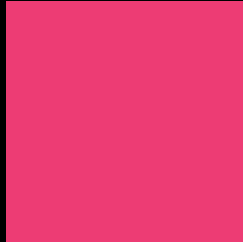
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4972, 0.4903, 0.2779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

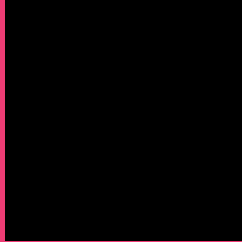
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4972, 0.4903, 0.2779

Background



This preview shows how black text looks on a background with the Yxy color 22.4972, 0.4903, 0.2779.



This preview shows how white text looks on a background with the Yxy color 22.4972, 0.4903, 0.2779.

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

22.4972, 0.4903, 0.2779

Protanopia

22.7008, 0.2850, 0.2896

Deuteranopia

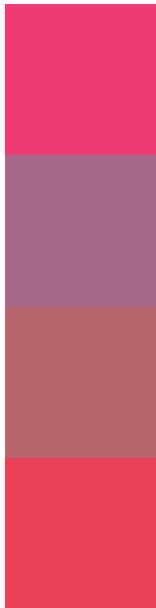
22.6586, 0.3673, 0.3609



Tritanopia

22.5235, 0.5469, 0.3272

Trichromacy



Original Color

22.4972, 0.4903, 0.2779

Protanomaly

20.1036, 0.3497, 0.2755

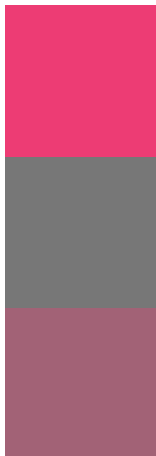
Deuteranomaly

20.6958, 0.4161, 0.3179

Tritanomaly

22.4506, 0.5285, 0.3094

Monochromacy



Original Color

22.4972, 0.4903, 0.2779

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.7248, 0.3779, 0.2972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4972, 0.4903, 0.2779 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, 60, 116)` looks like.

```
.text, #text, p{  
    color:rgb(237, 60, 116)  
}
```

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, 60, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 60, 116) }
```

Border

The CSS property to change the border of an element to Yxy 22.4972, 0.4903, 0.2779 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, 60, 116) }
```

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

```
.border{ border-color:rgb(237, 60, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 60, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 60, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 60, 116);  
box-shadow:4px 4px 4px 4px rgb(237, 60,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4972, 0.4903, 0.2779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 60, 116) }
```

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

```
.background{ background-color: rgb(237, 60,  
116) }
```

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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