

Converting Colors

$Y_{xy}(22.3730, 0.4715, 0.2897)$

Have a look what the booklet for
Yxy(22.3730, 0.4715, 0.2897)
contains.

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Color

Yxy(22.3700, 0.4724, 0.2901)

Conversions

Conversions Part 1

Format	Color
Hex	E04D72
RGB	224, 77, 114
RGB Percent	88%, 30%, 45%
CMY	0.1216, 0.6979, 0.5530
CMYK	0.00, 0.66, 0.49, 0.12
HSL	345°, 70%, 59%
HSV	345°, 66%, 88%
XYZ	36.4274, 22.3700, 18.3139
YIQ	125.1710, 75.7350, 42.6710

Conversions

Conversions Part 2

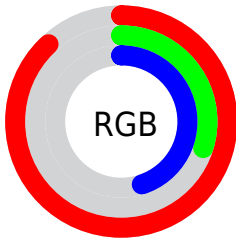
Format	Color
R_{YB}	224, 77, 114
Decimal	14699890
CIE Lab	54.42, 59.67, 11.01
CIE LCh	54, 60.673, 10.454
Yxy	22.3700, 0.4724, 0.2901
Android (android.graphics.Color)	4292889970 (0xFFE04D72)
YUV	125.1710, -5.5073, 86.6730
Hunter-Lab	47.2969, 54.7084, 10.1501

Details

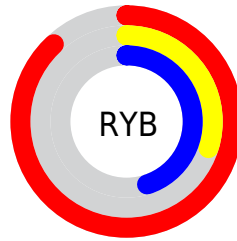
The Yxy color **22.3700, 0.4724, 0.2901** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **58.4704, 0.2521, 0.3811**, and the grayscale version is **20.5721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0634, 0.4083, 0.2960**, and **8.1799, 0.5335, 0.2713** is the 20% darker color. If you saturate the color by 10%, you get **19.4094, 0.5115, 0.2898**, and if you desaturate by 10%, it is **26.4817, 0.4358, 0.2935**.

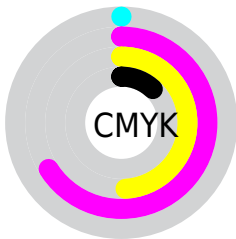
Distribution



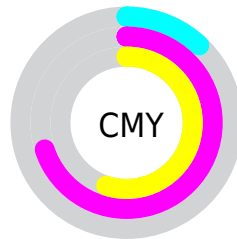
- Red (88%)
- Green (30%)
- Blue (45%)



- Red (88%)
- Yellow (30%)
- Blue (45%)



- Cyan (0%)
- Magenta (66%)
- Yellow (49%)
- Black (12%)



- Cyan (12%)
- Magenta (70%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3700, 0.4724, 0.2901 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 22.3700, 0.4724, 0.2901 by changing the saturation by 10% instead.


 22.3700, 0.4724,
0.2901


 22.3700, 0.4724,
0.2901


264.4725, 0.3829,
0.3142


 14.1290, 0.4980,
0.2822


 47.3568, 0.4374,
0.3002


 8.2105, 0.5328,
0.2708


 64.8714, 0.4250,
0.3036


 4.2299, 0.5822,
0.2532

 86.2459, 0.4149,
0.3063

 1.8030, 0.6558,
0.2240

 111.8649, 0.4063,
0.3084

 0.4890, 0.8335,
0.1665

 142.1126, 0.3991,
0.3103

 0.0000, 1.0000,
0.0000

177.3735, 0.3929,

 0.0000, 0.0000,

0.3118

0.0000

218.0320, 0.3876,
0.3131

■ 22.3700, 0.4724,
0.2901

■ 22.3700, 0.4724,
0.2901

■ 19.4094, 0.5115,
0.2898

■ 26.4817, 0.4358,
0.2935

■ 17.4763, 0.5497,
0.2936

■ 31.8441, 0.4035,
0.2989


■ 16.4249, 0.5829,
0.3015


■ 38.5500, 0.3761,
0.3054

■ 16.1335, 0.5954,
0.3054

■ 46.6825, 0.3534,
0.3123

■ 56.3178, 0.3349,
0.3191

 67.5268, 0.3199,
0.3256

 80.3759, 0.3077,
0.3316

 94.1488, 0.2978,
0.3359

 94.5847, 0.2940,
0.3289

Harmonies

Analogous

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



22.3700, 0.3687, 0.2311



22.3700, 0.4724, 0.2901



22.3700, 0.5211, 0.3585

Triad

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



22.3700, 0.4724, 0.2901



22.3700, 0.3323, 0.5303



22.3700, 0.1474, 0.1909

Complementary

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



22.3700, 0.4724, 0.2901



58.4704, 0.2521, 0.3811

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.



22.3700, 0.1410, 0.2434



22.3700, 0.4724, 0.2901



22.3700, 0.2378, 0.4679

Square

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



22.3700, 0.4724, 0.2901



22.3700, 0.4267, 0.5015



22.3700, 0.1696, 0.3442



22.3700, 0.1865, 0.1764

Rectangle

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



22.3700, 0.4724, 0.2901



22.3700, 0.5129, 0.4070



22.3700, 0.1696, 0.3442



22.3700, 0.1417, 0.2036

Sweetspot

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



22.3712, 0.4724, 0.2901



69.4465, 0.3428, 0.3160



20.9818, 0.2781, 0.1618



14.0931, 0.3482, 0.3141



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.



22.3712, 0.4724, 0.2901



24.8605, 0.5270, 0.2908



27.8195, 0.4972, 0.3660



13.7568, 0.3253, 0.3231



9.4080, 0.5917, 0.3033



0.6664, 0.5477, 0.2791

Inverse Universe

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



22.3712, 0.4724, 0.2901



24.8605, 0.5270, 0.2908



43.6546, 0.2240, 0.2805



13.7568, 0.3253, 0.3231



9.4080, 0.5917, 0.3033



0.6664, 0.5477, 0.2791

Previews

White Background



This preview shows how the Yxy color 22.3700, 0.4724, 0.2901 looks on a white background.

Color Contrast Check

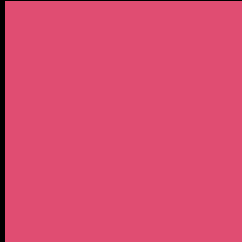
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3700, 0.4724, 0.2901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

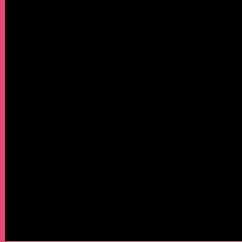
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3700, 0.4724, 0.2901

Background



This preview shows how black text looks on a background with the Yxy color 22.3700, 0.4724, 0.2901.



This preview shows how white text looks on a background with the Yxy color 22.3700, 0.4724, 0.2901.

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

22.3700, 0.4724, 0.2901

Protanopia

22.6641, 0.3001, 0.3082

Deuteranopia

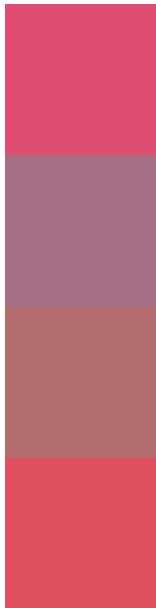
22.5626, 0.3660, 0.3610



Tritanopia

22.2523, 0.5083, 0.3244

Trichromacy



Original Color

22.3700, 0.4724, 0.2901

Protanomaly

20.9273, 0.3562, 0.2963

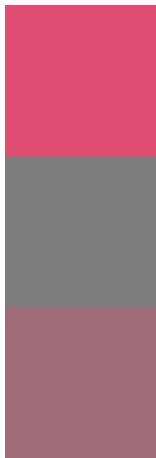
Deuteranomaly

21.3159, 0.4063, 0.3263

Tritanomaly

22.2884, 0.4960, 0.3118

Monochromacy



Original Color

22.3700, 0.4724, 0.2901

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.6827, 0.3683, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3700, 0.4724, 0.2901 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(224, 77, 114)` looks like.

```
.text, #text, p{  
    color:rgb(224, 77, 114)  
}
```

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(224, 77, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 77, 114) }
```

Border

The CSS property to change the border of an element to Yxy 22.3700, 0.4724, 0.2901 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(224, 77, 114) }
```

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

```
.border{ border-color:rgb(224, 77, 114) }
```

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

Here you see how a box with a 4 pixel rgb(224, 77, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 77, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 77, 114);  
box-shadow:4px 4px 4px 4px rgb(224, 77,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3700, 0.4724, 0.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 77, 114) }
```

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

```
.background{ background-color: rgb(224, 77,  
114) }
```

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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