

Converting Colors

$Y_{xy}(22.6381, 0.4383, 0.2658)$

Have a look what the booklet for
Yxy(22.6381, 0.4383, 0.2658)
contains.

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Color

Yxy(22.7450, 0.4379, 0.2659)

Conversions

Conversions Part 1

Format	Color
Hex	DF4D87
RGB	223, 77, 135
RGB Percent	87%, 30%, 53%
CMY	0.1255, 0.6980, 0.4706
CMYK	0.00, 0.65, 0.39, 0.13
HSL	336°, 70%, 59%
HSV	336°, 65%, 87%
XYZ	37.4578, 22.7450, 25.3369
YIQ	127.2660, 68.3980, 48.9900

Conversions

Conversions Part 2

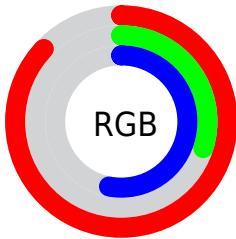
Format	Color
R_{YB}	223, 77, 135
Decimal	14634375
CIE _{Lab}	54.81, 61.37, -0.93
CIE _{LCh}	55, 61.379, 359.130
Yxy	22.7450, 0.4379, 0.2659
Android (android.graphics.Color)	4292824455 (0xFFDF4D87)
YUV	127.2660, 3.8129, 83.9587
Hunter-Lab	47.6917, 56.7362, 1.8856

Details

The Yxy color **22.7450, 0.4379, 0.2659** is a dark color, and the websafe version is hex **FF6699**. The color can be described as middle muted rose. A complement of this color would be **57.0694, 0.2626, 0.4135**, and the grayscale version is **21.2903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9410, 0.3837, 0.2735**, and **8.4584, 0.4824, 0.2431** is the 20% darker color. If you saturate the color by 10%, you get **19.7869, 0.4685, 0.2628**, and if you desaturate by 10%, it is **26.8225, 0.4097, 0.2726**.

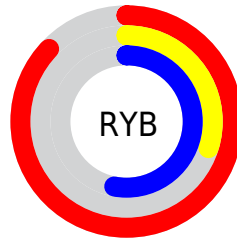
Distribution



Red (87%)

Green (30%)

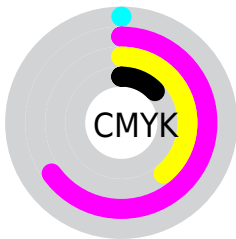
Blue (53%)



Red (87%)

Yellow (30%)

Blue (53%)

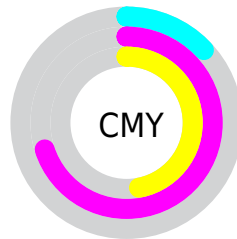


Cyan (0%)

Magenta (65%)

Yellow (39%)

Black (13%)



Cyan (13%)


Magenta (70%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7450, 0.4379, 0.2659 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 22.7450, 0.4379, 0.2659 by changing the saturation by 10% instead.


 22.7450, 0.4379,
0.2659


 22.7450, 0.4379,
0.2659


266.4125, 0.3686,
0.3007


 14.4053, 0.4576,
0.2561


 47.9743, 0.4110,
0.2794


 8.4031, 0.4843,
0.2428


 65.6327, 0.4014,
0.2842

 4.3540, 0.5224,
0.2239

 87.1661, 0.3936,
0.2881

 1.8735, 0.5805,
0.1954

 112.9590, 0.3869,
0.2914

 0.5324, 0.6901,
0.1401

 143.3956, 0.3813,
0.2943

 0.0000, 1.0000,
0.0000

178.8605, 0.3765,

 0.0000, 0.0000,

0.2967

0.0000

219.7380, 0.3723,
0.2988

■ 22.7450, 0.4379,
0.2659

■ 22.7450, 0.4379,
0.2659

■ 19.7869, 0.4685,
0.2628

■ 26.8225, 0.4097,
0.2726

■ 17.8281, 0.4997,
0.2646

■ 32.1159, 0.3847,
0.2818


■ 16.7274, 0.5293,
0.2716

■ 38.7151, 0.3634,
0.2921

■ 16.4018, 0.5420,
0.2759

■ 46.7008, 0.3455,
0.3029

■ 56.1468, 0.3306,
0.3135

 67.1218, 0.3184,
0.3237

 79.6902, 0.3084,
0.3332

 93.6506, 0.3002,
0.3416

 94.4276, 0.2935,
0.3289

Harmonies

Analogous

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



22.7450, 0.3261, 0.2128



22.7450, 0.4379, 0.2659



22.7450, 0.5125, 0.3318

Triad

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



22.7450, 0.4379, 0.2659



22.7450, 0.3692, 0.5291



22.7450, 0.1405, 0.2049

Complementary

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



22.7450, 0.4379, 0.2659



57.0694, 0.2626, 0.4135

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.



22.7450, 0.1466, 0.2753



22.7450, 0.4379, 0.2659



22.7450, 0.2714, 0.5042

Square

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



22.7450, 0.4379, 0.2659



22.7450, 0.4583, 0.4778



22.7450, 0.1902, 0.3923



22.7450, 0.1671, 0.1774

Rectangle

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



22.7450, 0.4379, 0.2659



22.7450, 0.5224, 0.3793



22.7450, 0.1902, 0.3923



22.7450, 0.1388, 0.2230

Sweetspot

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



22.7462, 0.4379, 0.2659



69.8415, 0.3372, 0.3086



18.5938, 0.2580, 0.1527



14.1867, 0.3415, 0.3056



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.



22.7462, 0.4379, 0.2659



25.5658, 0.4814, 0.2629



23.8105, 0.5145, 0.3445



13.7903, 0.3230, 0.3197



9.6651, 0.5381, 0.2738



0.6872, 0.4972, 0.2513

Inverse Universe

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



22.7462, 0.4379, 0.2659



25.5658, 0.4814, 0.2629



52.2124, 0.2309, 0.3088



13.7903, 0.3230, 0.3197



9.6651, 0.5381, 0.2738



0.6872, 0.4972, 0.2513

Previews

White Background



This preview shows how the Yxy color 22.7450, 0.4379, 0.2659 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 22.7450, 0.4379, 0.2659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

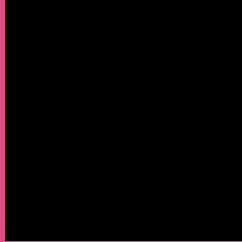
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7450, 0.4379, 0.2659

Background



This preview shows how black text looks on a background with the Yxy color 22.7450, 0.4379, 0.2659.



This preview shows how white text looks on a background with the Yxy color 22.7450, 0.4379, 0.2659.

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

22.7450, 0.4379, 0.2659

Protanopia

22.9300, 0.2675, 0.2658

Deuteranopia

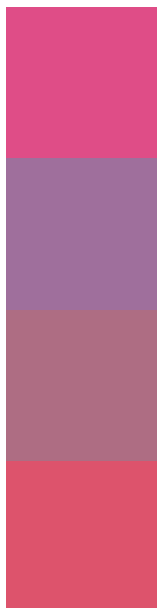
22.8482, 0.3344, 0.3274



Tritanopia

22.8047, 0.4955, 0.3242

Trichromacy



Original Color

22.7450, 0.4379, 0.2659

Protanomaly

21.1401, 0.3196, 0.2601

Deuteranomaly

21.5746, 0.3711, 0.2963

Tritanomaly

22.6414, 0.4753, 0.3021

Monochromacy



Original Color

22.7450, 0.4379, 0.2659

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.2304, 0.3569, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7450, 0.4379, 0.2659 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(223, 77, 135)` looks like.

```
.text, #text, p{  
    color:rgb(223, 77, 135)  
}
```

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(223, 77, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 77, 135) }
```

Border

The CSS property to change the border of an element to Yxy 22.7450, 0.4379, 0.2659 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(223, 77, 135) }
```

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

```
.border{ border-color:rgb(223, 77, 135) }
```

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

Here you see how a box with a 4 pixel rgb(223, 77, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 77, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 77, 135);  
box-shadow:4px 4px 4px 4px rgb(223, 77,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7450, 0.4379, 0.2659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 77, 135) }
```

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

```
.background{ background-color: rgb(223, 77,  
135) }
```

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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