

Converting Colors

$Y_{xy}(22.9460, 0.5280, 0.2734)$

Have a look what the booklet for
Yxy(22.9460, 0.5280, 0.2734)
contains.

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Color

Yxy(22.9379, 0.5286, 0.2738)

Conversions

Conversions Part 1

Format	Color
Hex	FF166D
RGB	255, 22, 109
RGB Percent	100%, 9%, 43%
CMY	0.0000, 0.9134, 0.5726
CMYK	0.00, 0.91, 0.57, 0.00
HSL	338°, 100%, 54%
HSV	338°, 91%, 100%
XYZ	44.2841, 22.9379, 16.5542
YIQ	101.5850, 110.9410, 76.4530

Conversions

Conversions Part 2

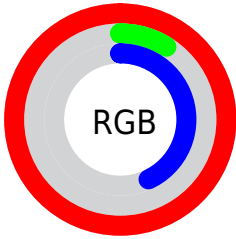
Format	Color
R_{YB}	255, 22, 109
Decimal	16717421
CIE _{Lab}	55.01, 81.55, 15.68
CIE _{LCh}	55, 83.044, 10.886
Yxy	22.9379, 0.5286, 0.2738
Android (android.graphics.Color)	4294907501 (0xFFFF166D)
YUV	101.5850, 3.6556, 134.5450
Hunter-Lab	47.8935, 81.2338, 13.0322

Details

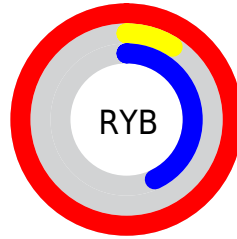
The Yxy color **22.9379, 0.5286, 0.2738** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **74.5176, 0.2587, 0.4465**, and the grayscale version is **13.1546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6987, 0.4263, 0.2735**, and **11.4242, 0.5679, 0.2902** is the 20% darker color. If you saturate the color by 10%, you get **22.0870, 0.5536, 0.2823**, and if you desaturate by 10%, it is **24.8185, 0.4968, 0.2682**.

Distribution



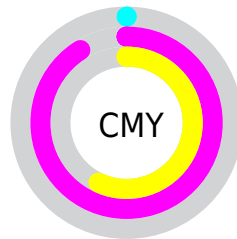
- Red (100%)
- Green (9%)
- Blue (43%)



- Red (100%)
- Yellow (9%)
- Blue (43%)



- Cyan (0%)
- Magenta (91%)
- Yellow (57%)
- Black (0%)




- Cyan (0%)
- Magenta (91%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9379, 0.5286, 0.2738 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 22.9379, 0.5286, 0.2738 by changing the saturation by 10% instead.


 22.9379, 0.5286,
0.2738


 22.9379, 0.5286,
0.2738


267.4059, 0.4093,
0.3086


 14.5477, 0.5613,
0.2626


 48.2913, 0.4829,
0.2883


 8.5025, 0.6042,
0.2467


 66.0233, 0.4664,
0.2932


 4.4182, 0.6622,
0.2232

 87.6380, 0.4527,
0.2970

 1.9101, 0.7429,
0.1872

 113.5198, 0.4412,
0.3002

 0.5545, 0.8749,
0.1251

 144.0531, 0.4314,
0.3028

 0.0000, 1.0000,
0.0000

179.6223, 0.4230,

 0.0000, 0.0000,

0.3051

0.0000

220.6117, 0.4157,
0.3069

■ 22.9379, 0.5286,
0.2738

■ 22.9379, 0.5286,
0.2738

■ 22.0870, 0.5536,
0.2823


■ 24.8185, 0.4968,
0.2682


■ 27.9566, 0.4638,
0.2678


■ 32.5361, 0.4323,
0.2718

■ 38.7094, 0.4036,
0.2791

■ 46.6091, 0.3788,
0.2882

 56.3539, 0.3577,
0.2982

 68.0520, 0.3402,
0.3085

 81.8029, 0.3259,
0.3184

 97.6995, 0.3141,
0.3278

Harmonies

Analogous

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



22.9379, 0.3869, 0.2052



22.9379, 0.5286, 0.2738



22.9379, 0.5836, 0.3508

Triad

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



22.9379, 0.5286, 0.2738



22.9379, 0.3195, 0.6044



22.9379, 0.1101, 0.1531

Complementary

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



22.9379, 0.5286, 0.2738



74.5176, 0.2587, 0.4465

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.



22.9379, 0.1004, 0.2103



22.9379, 0.5286, 0.2738



22.9379, 0.2053, 0.5254

Square

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



22.9379, 0.5286, 0.2738



22.9379, 0.4382, 0.5399



22.9379, 0.1277, 0.3403



22.9379, 0.1547, 0.1401

Rectangle

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



22.9379, 0.5286, 0.2738



22.9379, 0.5622, 0.4078



22.9379, 0.1277, 0.3403



22.9379, 0.1033, 0.1661

Sweetspot

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



22.9393, 0.5286, 0.2738



61.1862, 0.3497, 0.3027



15.8727, 0.2333, 0.1089



12.2762, 0.3560, 0.2992



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.



22.9393, 0.5286, 0.2738



22.0886, 0.5536, 0.2823



23.5353, 0.6150, 0.3406



18.0992, 0.3235, 0.3202



11.5682, 0.5493, 0.2800



1.1467, 0.5183, 0.2629

Inverse Universe

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



22.9393, 0.5286, 0.2738



22.0886, 0.5536, 0.2823



62.7789, 0.2162, 0.2945



18.0992, 0.3235, 0.3202



11.5682, 0.5493, 0.2800



1.1467, 0.5183, 0.2629

Previews

White Background



This preview shows how the Yxy color 22.9379, 0.5286, 0.2738 looks on a white background.

Color Contrast Check

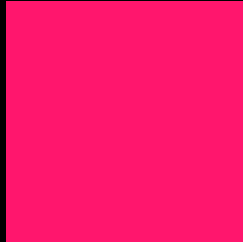
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9379, 0.5286, 0.2738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

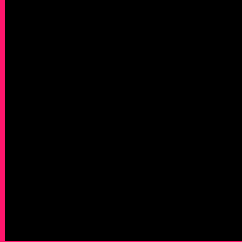
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9379, 0.5286, 0.2738

Background



This preview shows how black text looks on a background with the Yxy color 22.9379, 0.5286, 0.2738.



This preview shows how white text looks on a background with the Yxy color 22.9379, 0.5286, 0.2738.

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

22.9379, 0.5286, 0.2738

Protanopia

23.1789, 0.2824, 0.2851

Deuteranopia

23.1285, 0.3827, 0.3766



Tritanopia

23.1129, 0.6006, 0.3304

Trichromacy



Original Color

22.9379, 0.5286, 0.2738



Protanomaly

18.3743, 0.3637, 0.2577



Deuteranomaly

19.3105, 0.4480, 0.3122



Tritanomaly

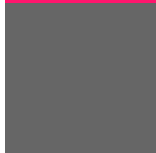
22.8867, 0.5815, 0.3121

Monochromacy



Original Color

22.9379, 0.5286, 0.2738



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

13.0541, 0.4052, 0.2779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9379, 0.5286, 0.2738 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(255, 22, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 22, 109)  
}
```

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(255, 22, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 22, 109) }
```

Border

The CSS property to change the border of an element to Yxy 22.9379, 0.5286, 0.2738 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(255, 22, 109) }
```

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

```
.border{ border-color:rgb(255, 22, 109) }
```

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

Here you see how a box with a 4 pixel rgb(255, 22, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 22, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 22, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 22,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9379, 0.5286, 0.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 22, 109) }
```

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

```
.background{ background-color: rgb(255, 22,  
109) }
```

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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