

Converting Colors

$Y_{xy}(22.8670, 0.4963, 0.2508)$

Have a look what the booklet for
Yxy(22.8670, 0.4963, 0.2508)
contains.

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Color

Yxy(22.8717, 0.4959, 0.2505)

Conversions

Conversions Part 1

Format	Color
Hex	FF0082
RGB	255, 0, 130
RGB Percent	100%, 0%, 51%
CMY	0.0000, 1.0000, 0.4901
CMYK	0.00, 1.00, 0.49, 0.00
HSL	329°, 100%, 50%
HSV	329°, 100%, 100%
XYZ	45.2777, 22.8717, 23.1547
YIQ	91.0650, 110.2500, 94.4900

Conversions

Conversions Part 2

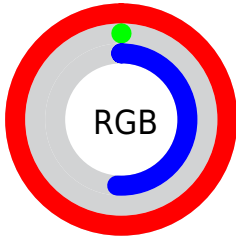
Format	Color
R_{YB}	255, 0, 130
Decimal	16711810
CIE _{Lab}	54.94, 84.72, 2.93
CIE _{LCh}	55, 84.773, 1.982
Yxy	22.8717, 0.4959, 0.2505
Android (android.graphics.Color)	4294901890 (0xFFFF0082)
YUV	91.0650, 19.1950, 143.7710
Hunter-Lab	47.8244, 85.3023, 4.7711

Details

The Yxy color **22.8717, 0.4959, 0.2505** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **73.0001, 0.2743, 0.5074**, and the grayscale version is **10.4145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7932, 0.3978, 0.2474**, and **11.6704, 0.5285, 0.2685** is the 20% darker color. If you saturate the color by 10%, you get **22.8723, 0.4959, 0.2505**, and if you desaturate by 10%, it is **23.9455, 0.4726, 0.2433**.

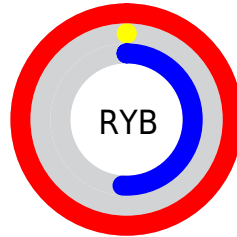
Distribution



Red (100%)

Green (0%)

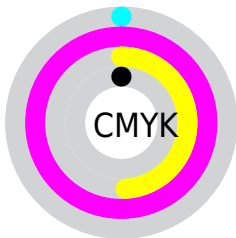
Blue (51%)



Red (100%)

Yellow (0%)

Blue (51%)

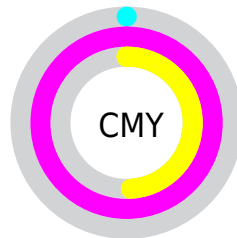


Cyan (0%)

Magenta (100%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8717, 0.4959, 0.2505 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 22.8717, 0.4959, 0.2505 by changing the saturation by 10% instead.


 22.8717, 0.4959,
0.2505


 22.8717, 0.4959,
0.2505


267.0653, 0.3953,
0.2943


 14.4988, 0.5236,
0.2382


 48.1826, 0.4573,
0.2675


 8.4684, 0.5605,
0.2216


 65.8893, 0.4434,
0.2736

 4.3961, 0.6114,
0.1984

 87.4762, 0.4319,
0.2786

 1.8975, 0.6841,
0.1646

 113.3275, 0.4222,
0.2827

 0.5469, 0.8130,
0.1091

 143.8277, 0.4140,
0.2863

 0.0000, 1.0000,
0.0000

179.3611, 0.4069,

 0.0000, 0.0000,

0.2893

0.0000

220.3122, 0.4007,
0.2920

■ 22.8717, 0.4959,
0.2505

■ 22.8717, 0.4959,
0.2505

■ 22.8723, 0.4959,
0.2505

■ 23.9455, 0.4726,
0.2433

■ 25.9948, 0.4483,
0.2411


■ 29.3072, 0.4241,
0.2443

■ 34.0586, 0.4011,
0.2519

■ 40.3967, 0.3803,
0.2628

 48.4507, 0.3619,
0.2755

 58.3363, 0.3462,
0.2891

 70.1591, 0.3329,
0.3029

 84.0167, 0.3219,
0.3163

Harmonies

Analogous

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



22.8717, 0.3414, 0.1862



22.8717, 0.4959, 0.2505



22.8717, 0.5840, 0.3260

Triad

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



22.8717, 0.4959, 0.2505



22.8717, 0.3542, 0.6001



22.8717, 0.1011, 0.1617

Complementary

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



22.8717, 0.4959, 0.2505



73.0001, 0.2743, 0.5074

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.



22.8717, 0.1011, 0.2377



22.8717, 0.4959, 0.2505



22.8717, 0.2349, 0.5736

Square

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



22.8717, 0.4959, 0.2505



22.8717, 0.4726, 0.5118



22.8717, 0.1420, 0.3955



22.8717, 0.1347, 0.1378

Rectangle

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



22.8717, 0.4959, 0.2505



22.8717, 0.5806, 0.3806



22.8717, 0.1420, 0.3955



22.8717, 0.0974, 0.1797

Sweetspot

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



22.8723, 0.4959, 0.2505



58.3363, 0.3462, 0.2891



11.4494, 0.1972, 0.0860



11.5449, 0.3525, 0.2833



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.



22.8723, 0.4959, 0.2505



21.2693, 0.6389, 0.3293



18.1417, 0.3214, 0.3169



11.9815, 0.4922, 0.2485



1.1887, 0.4674, 0.2348

Inverse Universe

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



22.8723, 0.4959, 0.2505



78.4693, 0.2261, 0.3339



18.1417, 0.3214, 0.3169



11.9815, 0.4922, 0.2485



1.1887, 0.4674, 0.2348

Previews

White Background



This preview shows how the Yxy color 22.8717, 0.4959, 0.2505 looks on a white background.

Color Contrast Check

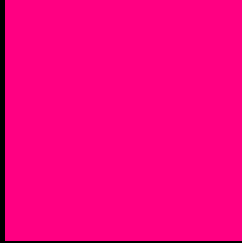
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8717, 0.4959, 0.2505 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 22.8717, 0.4959, 0.2505

Background



This preview shows how black text looks on a background with the Yxy color 22.8717, 0.4959, 0.2505.



This preview shows how white text looks on a background with the Yxy color 22.8717, 0.4959, 0.2505.

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

22.8717, 0.4959, 0.2505

Protanopia

23.5083, 0.2461, 0.2384

Deuteranopia

23.3496, 0.3509, 0.3441



Tritanopia

23.2131, 0.5915, 0.3298

Trichromacy



Original Color

22.8717, 0.4959, 0.2505



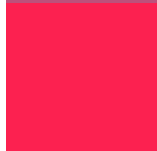
Protanomaly

17.0835, 0.3170, 0.2099



Deuteranomaly

18.1337, 0.4140, 0.2730



Tritanomaly

22.3623, 0.5680, 0.3014

Monochromacy



Original Color

22.8717, 0.4959, 0.2505



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.6253, 0.4008, 0.2531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8717, 0.4959, 0.2505 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, 0, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 130)  
}
```

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, 0, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 130) }
```

Border

The CSS property to change the border of an element to Yxy 22.8717, 0.4959, 0.2505 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, 0, 130) }
```

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

```
.border{ border-color:rgb(255, 0, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
130) }
```

Background

The CSS property to change the background color of an element to Yxy 22.8717, 0.4959, 0.2505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 130) }
```

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

```
.background{ background-color: rgb(255, 0,  
130) }
```

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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