

Converting Colors

$Y_{xy}(22.9805, 0.5248, 0.2716)$

Have a look what the booklet for
Yxy(22.9805, 0.5248, 0.2716)
contains.

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Color

Yxy(22.9815, 0.5253, 0.2719)

Conversions

Conversions Part 1

Format	Color
Hex	FF166F
RGB	255, 22, 111
RGB Percent	100%, 9%, 44%
CMY	0.0000, 0.9138, 0.5646
CMYK	0.00, 0.91, 0.56, 0.00
HSL	337°, 100%, 54%
HSV	337°, 91%, 100%
XYZ	44.3993, 22.9815, 17.1410
YIQ	101.8130, 110.2990, 77.0750

Conversions

Conversions Part 2

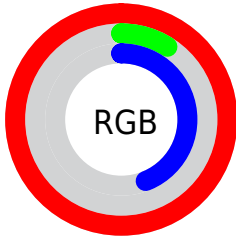
Format	Color
R_{YB}	255, 22, 111
Decimal	16717423
CIE _{Lab}	55.05, 81.69, 14.51
CIE _{LCh}	55, 82.971, 10.075
Yxy	22.9815, 0.5253, 0.2719
Android (android.graphics.Color)	4294907503 (0xFFFF166F)
YUV	101.8130, 4.5292, 134.3450
Hunter-Lab	47.9390, 81.4268, 12.3576

Details

The Yxy color **22.9815, 0.5253, 0.2719** 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 **74.4422, 0.2595, 0.4496**, and the grayscale version is **13.2001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7693, 0.4237, 0.2714**, and **11.4465, 0.5640, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **22.1313, 0.5499, 0.2803**, and if you desaturate by 10%, it is **24.8586, 0.4939, 0.2664**.

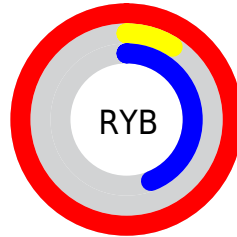
Distribution



Red (100%)

Green (9%)

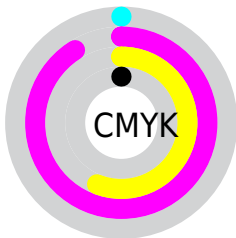
Blue (44%)



Red (100%)

Yellow (9%)

Blue (44%)

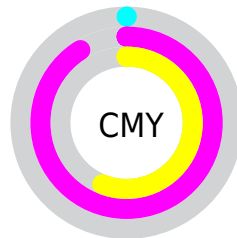


Cyan (0%)

Magenta (91%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (91%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9815, 0.5253, 0.2719 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 22.9815, 0.5253, 0.2719 by changing the saturation by 10% instead.


 22.9815, 0.5253,
0.2719


 22.9815, 0.5253,
0.2719


267.6300, 0.4078,
0.3073

 14.5798, 0.5575,
0.2607


 48.3629, 0.4803,
0.2865

 8.5250, 0.5999,
0.2448


 66.1115, 0.4640,
0.2915


 4.4327, 0.6574,
0.2215


 87.7446, 0.4506,
0.2955

 1.9184, 0.7369,
0.1857

 113.6464, 0.4393,
0.2987

 0.5594, 0.8745,
0.1255

 144.2015, 0.4296,
0.3014

 0.0000, 1.0000,
0.0000

179.7942, 0.4214,

 0.0000, 0.0000,

0.3037

0.0000

220.8089, 0.4142,
0.3056

■ 22.9815, 0.5253,
0.2719

■ 22.9815, 0.5253,
0.2719

■ 22.1313, 0.5499,
0.2803


■ 24.8586, 0.4939,
0.2664


■ 27.9922, 0.4615,
0.2661


■ 32.5651, 0.4305,
0.2704


■ 38.7294, 0.4023,
0.2778

■ 46.6178, 0.3779,
0.2872

 56.3490, 0.3572,
0.2975

 68.0309, 0.3399,
0.3079

 81.7633, 0.3257,
0.3181

 97.6388, 0.3141,
0.3277

Harmonies

Analogous

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



22.9815, 0.3825, 0.2038



22.9815, 0.5253, 0.2719



22.9815, 0.5832, 0.3487

Triad

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



22.9815, 0.5253, 0.2719



22.9815, 0.3229, 0.6037



22.9815, 0.1096, 0.1542

Complementary

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



22.9815, 0.5253, 0.2719



74.4422, 0.2595, 0.4496

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.



22.9815, 0.1008, 0.2129



22.9815, 0.5253, 0.2719



22.9815, 0.2083, 0.5294

Square

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



22.9815, 0.5253, 0.2719



22.9815, 0.4413, 0.5371



22.9815, 0.1293, 0.3450



22.9815, 0.1531, 0.1402

Rectangle

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



22.9815, 0.5253, 0.2719



22.9815, 0.5636, 0.4054



22.9815, 0.1293, 0.3450



22.9815, 0.1030, 0.1676

Sweetspot

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



22.9814, 0.5253, 0.2719



61.2177, 0.3492, 0.3021



15.8654, 0.2333, 0.1089



12.2835, 0.3553, 0.2985



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.



22.9814, 0.5253, 0.2719



22.1313, 0.5499, 0.2803



23.5288, 0.6151, 0.3406



18.1019, 0.3234, 0.3199



11.5909, 0.5457, 0.2780



1.1491, 0.5149, 0.2610

Inverse Universe

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



22.9814, 0.5253, 0.2719



22.1313, 0.5499, 0.2803



62.7754, 0.2162, 0.2945



18.1019, 0.3234, 0.3199



11.5909, 0.5457, 0.2780



1.1491, 0.5149, 0.2610

Previews

White Background



This preview shows how the Yxy color 22.9815, 0.5253, 0.2719 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 22.9815, 0.5253, 0.2719 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 22.9815, 0.5253, 0.2719

Background



This preview shows how black text looks on a background with the Yxy color 22.9815, 0.5253, 0.2719.



This preview shows how white text looks on a background with the Yxy color 22.9815, 0.5253, 0.2719.

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

22.9815, 0.5253, 0.2719

Protanopia

23.2063, 0.2786, 0.2803

Deuteranopia

23.1668, 0.3803, 0.3734



Tritanopia

23.0146, 0.5988, 0.3304

Trichromacy



Original Color

22.9815, 0.5253, 0.2719



Protanomaly

18.3194, 0.3594, 0.2546



Deuteranomaly

19.3507, 0.4448, 0.3095



Tritanomaly

22.7759, 0.5794, 0.3117

Monochromacy



Original Color

22.9815, 0.5253, 0.2719



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 22.9815, 0.5253, 0.2719 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 22, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 22, 111) }
```

Border

The CSS property to change the border of an element to Yxy 22.9815, 0.5253, 0.2719 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, 111) }
```

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

```
.border{ border-color:rgb(255, 22, 111) }
```

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, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 22, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 22, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 22,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9815, 0.5253, 0.2719 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, 111) }
```

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

```
.background{ background-color: rgb(255, 22,  
111) }
```

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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