

Converting Colors

$Y_{xy}(22.9771, 0.4954, 0.2512)$

Have a look what the booklet for
Yxy(22.9771, 0.4954, 0.2512)
contains.

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Color

Yxy(22.9802, 0.4955, 0.2512)

Conversions

Conversions Part 1

Format	Color
Hex	FF0582
RGB	255, 5, 130
RGB Percent	100%, 2%, 51%
CMY	0.0000, 0.9808, 0.4901
CMYK	0.00, 0.98, 0.49, 0.00
HSL	330°, 100%, 51%
HSV	330°, 98%, 100%
XYZ	45.3292, 22.9802, 23.1723
YIQ	94.0000, 108.8750, 91.8750

Conversions

Conversions Part 2

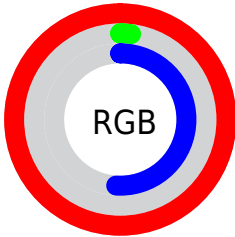
Format	Color
R_{YB}	255, 5, 130
Decimal	16713090
CIE _{Lab}	55.05, 84.39, 3.10
CIE _{LCh}	55, 84.444, 2.101
Yxy	22.9802, 0.4955, 0.2512
Android (android.graphics.Color)	4294903170 (0xFFFF0582)
YUV	94.0000, 17.7480, 141.1970
Hunter-Lab	47.9377, 84.8961, 4.8965

Details

The Yxy color **22.9802, 0.4955, 0.2512** 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 **73.1598, 0.2727, 0.5008**, and the grayscale version is **11.1158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9863, 0.3976, 0.2482**, and **11.6704, 0.5285, 0.2685** is the 20% darker color. If you saturate the color by 10%, you get **22.8073, 0.5000, 0.2528**, and if you desaturate by 10%, it is **24.1844, 0.4715, 0.2444**.

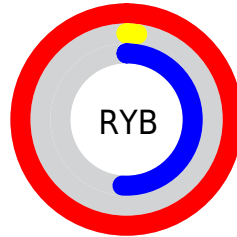
Distribution



Red (100%)

Green (2%)

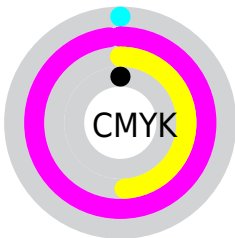
Blue (51%)



Red (100%)

Yellow (2%)

Blue (51%)

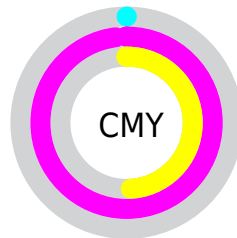


Cyan (0%)

Magenta (98%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (98%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9802, 0.4955, 0.2512 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 22.9802, 0.4955, 0.2512 by changing the saturation by 10% instead.

 22.9802, 0.4955,
0.2512


 22.9802, 0.4955,
0.2512


267.6233, 0.3951,
0.2947


 14.5789, 0.5232,
0.2389


 48.3608, 0.4570,
0.2681

 8.5244, 0.5600,
0.2225


 66.1089, 0.4431,
0.2741


 4.4323, 0.6107,
0.1994


 87.7414, 0.4317,
0.2790

 1.9182, 0.6832,
0.1658

 113.6426, 0.4220,
0.2832

 0.5593, 0.8110,
0.1111

 144.1970, 0.4138,
0.2867

 0.0000, 1.0000,
0.0000

179.7890, 0.4067,

 0.0000, 0.0000,

0.2897

0.0000

220.8030, 0.4005,
0.2924

■ 22.9802, 0.4955,
0.2512

■ 22.9802, 0.4955,
0.2512

■ 22.8073, 0.5000,
0.2528

■ 24.1844, 0.4715,
0.2444

■ 26.4614, 0.4466,
0.2431

■ 30.0396, 0.4219,
0.2470

■ 35.0885, 0.3987,
0.2552

■ 41.7519, 0.3778,
0.2662

■ 50.1561, 0.3596,
0.2790

■ 60.4146, 0.3440,
0.2925

■ 72.6316, 0.3310,
0.3060

■ 86.9032, 0.3201,
0.3190

Harmonies

Analogous

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



22.9802, 0.3419, 0.1870



22.9802, 0.4955, 0.2512



22.9802, 0.5828, 0.3267

Triad

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



22.9802, 0.4955, 0.2512



22.9802, 0.3540, 0.5990



22.9802, 0.1019, 0.1622

Complementary

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



22.9802, 0.4955, 0.2512



73.1598, 0.2727, 0.5008

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.



22.9802, 0.1018, 0.2378



22.9802, 0.4955, 0.2512



22.9802, 0.2350, 0.5715

Square

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



22.9802, 0.4955, 0.2512



22.9802, 0.4718, 0.5118



22.9802, 0.1426, 0.3945



22.9802, 0.1356, 0.1384

Rectangle

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



22.9802, 0.4955, 0.2512



22.9802, 0.5794, 0.3812



22.9802, 0.1426, 0.3945



22.9802, 0.0981, 0.1801

Sweetspot

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



22.9784, 0.4955, 0.2512



59.3925, 0.3454, 0.2912



11.7449, 0.1992, 0.0877



11.7420, 0.3518, 0.2854



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.



22.9784, 0.4955, 0.2512



22.8073, 0.5000, 0.2528



21.3860, 0.6367, 0.3293



18.1387, 0.3215, 0.3172



11.9475, 0.4963, 0.2508



1.1853, 0.4709, 0.2368

Inverse Universe

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



22.9784, 0.4955, 0.2512



22.8073, 0.5000, 0.2528



78.5060, 0.2262, 0.3338



18.1387, 0.3215, 0.3172



11.9475, 0.4963, 0.2508



1.1853, 0.4709, 0.2368

Previews

White Background



This preview shows how the Yxy color 22.9802, 0.4955, 0.2512 looks on a white background.

Color Contrast Check

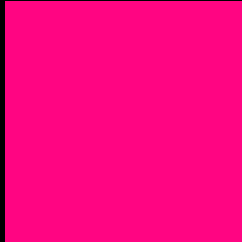
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9802, 0.4955, 0.2512 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 22.9802, 0.4955, 0.2512

Background



This preview shows how black text looks on a background with the Yxy color 22.9802, 0.4955, 0.2512.



This preview shows how white text looks on a background with the Yxy color 22.9802, 0.4955, 0.2512.

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

22.9802, 0.4955, 0.2512

Protanopia

23.5083, 0.2461, 0.2384

Deuteranopia

23.3496, 0.3509, 0.3441



Tritanopia

23.2131, 0.5915, 0.3298

Trichromacy



Original Color

22.9802, 0.4955, 0.2512



Protanomaly

17.3940, 0.3169, 0.2124



Deuteranomaly

18.4354, 0.4132, 0.2754



Tritanomaly

22.4767, 0.5673, 0.3022

Monochromacy



Original Color

22.9802, 0.4955, 0.2512



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

11.2791, 0.3984, 0.2566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9802, 0.4955, 0.2512 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, 5, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 5, 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, 5, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 5, 130) }
```

Border

The CSS property to change the border of an element to Yxy 22.9802, 0.4955, 0.2512 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, 5, 130) }
```

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

```
.border{ border-color:rgb(255, 5, 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, 5, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 5, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 5, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 5,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9802, 0.4955, 0.2512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 5, 130) }
```

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

```
.background{ background-color: rgb(255, 5,  
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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