

Converting Colors

$Y_{xy}(22.1491, 0.5451, 0.2611)$

Have a look what the booklet for
Yxy(22.1491, 0.5451, 0.2611)
contains.

Yxy(22.3641, 0.5312, 0.2700)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.3641, 0.5312, 0.2700)

Conversions

Conversions Part 1

Format	Color
Hex	FF006D
RGB	255, 0, 109
RGB Percent	100%, 0%, 43%
CMY	0.0000, 0.9996, 0.5725
CMYK	0.00, 1.00, 0.57, 0.00
HSL	334°, 100%, 50%
HSV	334°, 100%, 100%
XYZ	43.9993, 22.3641, 16.4666
YIQ	88.6710, 116.9910, 87.9590

Conversions

Conversions Part 2

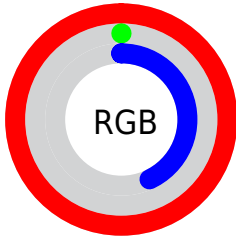
Format	Color
R_YB	255, 0, 109
Decimal	16711789
CIE _{Lab}	54.41, 83.29, 14.84
CIE _{LCh}	54, 84.603, 10.104
Yxy	22.3641, 0.5312, 0.2700
Android (android.graphics.Color)	4294901869 (0xFFFF006D)
YUV	88.6710, 10.0222, 145.8705
Hunter-Lab	47.2907, 83.3178, 12.4587

Details

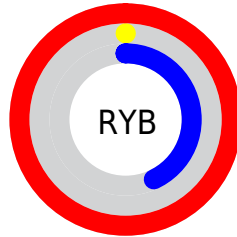
The Yxy color **22.3641, 0.5312, 0.2700** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **73.5958, 0.2662, 0.4784**, and the grayscale version is **9.8850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7217, 0.4280, 0.2691**, and **11.2950, 0.5672, 0.2898** is the 20% darker color. If you saturate the color by 10%, you get **22.3621, 0.5313, 0.2700**, and if you desaturate by 10%, it is **23.4256, 0.5039, 0.2611**.

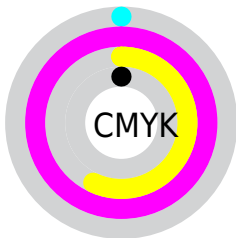
Distribution



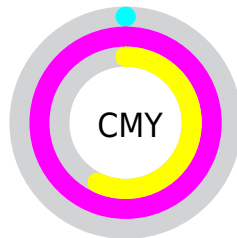
- Red (100%)
- Green (0%)
- Blue (43%)



- Red (100%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3641, 0.5312, 0.2700 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 22.3641, 0.5312, 0.2700 by changing the saturation by 10% instead.


 22.3641, 0.5312,
0.2700


 22.3641, 0.5312,
0.2700


264.4418, 0.4102,
0.3068


 14.1247, 0.5644,
0.2583


 47.3470, 0.4847,
0.2852

 8.2074, 0.6082,
0.2417


 64.8594, 0.4680,
0.2904


 4.2280, 0.6673,
0.2174

 86.2314, 0.4541,
0.2945

 1.8019, 0.7497,
0.1803

 111.8476, 0.4425,
0.2979

 0.4883, 0.8867,
0.1133

 142.0924, 0.4326,
0.3007

 0.0000, 1.0000,
0.0000

177.3501, 0.4241,

 0.0000, 0.0000,

0.3030

0.0000

218.0051, 0.4166,
0.3050

■ 22.3641, 0.5312,
0.2700

■ 22.3641, 0.5312,
0.2700

■ 22.3621, 0.5313,
0.2700

■ 23.4256, 0.5039,
0.2611

■ 25.4766, 0.4747,
0.2572

■ 28.8047, 0.4452,
0.2586

■ 33.5868, 0.4173,
0.2644

■ 39.9711, 0.3920,
0.2732

 48.0877, 0.3701,
0.2840

 58.0528, 0.3515,
0.2955

 69.9728, 0.3360,
0.3071

 83.9457, 0.3232,
0.3184

Harmonies

Analogous

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



22.3641, 0.3843, 0.2011



22.3641, 0.5312, 0.2700



22.3641, 0.5894, 0.3473

Triad

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



22.3641, 0.5312, 0.2700



22.3641, 0.3209, 0.6113



22.3641, 0.1061, 0.1505

Complementary

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



22.3641, 0.5312, 0.2700



73.5958, 0.2662, 0.4784

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.



22.3641, 0.0969, 0.2094



22.3641, 0.5312, 0.2700



22.3641, 0.2047, 0.5361

Square

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



22.3641, 0.5312, 0.2700



22.3641, 0.4419, 0.5404



22.3641, 0.1251, 0.3446



22.3641, 0.1499, 0.1367

Rectangle

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



22.3641, 0.5312, 0.2700



22.3641, 0.5681, 0.4046



22.3641, 0.1251, 0.3446



22.3641, 0.0994, 0.1639

Sweetspot

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



22.3655, 0.5312, 0.2700



58.0125, 0.3516, 0.2954



13.1999, 0.2142, 0.0954



11.4687, 0.3591, 0.2905



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.



22.3655, 0.5312, 0.2700



22.3630, 0.5313, 0.2700



21.6631, 0.6365, 0.3327



18.1159, 0.3227, 0.3189



11.7136, 0.5272, 0.2678



1.1619, 0.4981, 0.2518

Inverse Universe

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



22.3655, 0.5312, 0.2700



22.3630, 0.5313, 0.2700



68.3707, 0.2188, 0.3077



18.1159, 0.3227, 0.3189



11.7136, 0.5272, 0.2678



1.1619, 0.4981, 0.2518

Previews

White Background



This preview shows how the Yxy color 22.3641, 0.5312, 0.2700 looks on a white background.

Color Contrast Check

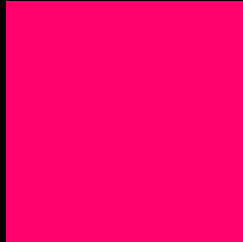
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3641, 0.5312, 0.2700 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 22.3641, 0.5312, 0.2700

Background



This preview shows how black text looks on a background with the Yxy color 22.3641, 0.5312, 0.2700.

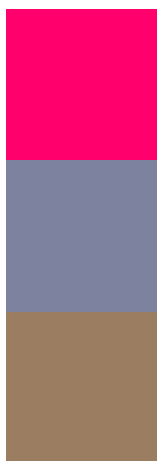


This preview shows how white text looks on a background with the Yxy color 22.3641, 0.5312, 0.2700.

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

22.3641, 0.5312, 0.2700

Protanopia

22.8284, 0.2784, 0.2800

Deuteranopia

22.7721, 0.3820, 0.3753



Tritanopia

22.6640, 0.6052, 0.3308

Trichromacy



Original Color

22.3641, 0.5312, 0.2700



Protanomaly

16.8803, 0.3614, 0.2449



Deuteranomaly

17.7730, 0.4525, 0.3006



Tritanomaly

22.1065, 0.5884, 0.3104

Monochromacy



Original Color

22.3641, 0.5312, 0.2700



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

10.1603, 0.4168, 0.2652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3641, 0.5312, 0.2700 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 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, 0, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 109) }
```

Border

The CSS property to change the border of an element to Yxy 22.3641, 0.5312, 0.2700 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, 109) }
```

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

```
.border{ border-color:rgb(255, 0, 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, 0, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3641, 0.5312, 0.2700 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, 109) }
```

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

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