

Converting Colors

$Y_{xy}(22.3055, 0.5434, 0.2778)$

Have a look what the booklet for
Yxy(22.3055, 0.5434, 0.2778)
contains.

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Color

Yxy(22.3081, 0.5437, 0.2779)

Conversions

Conversions Part 1

Format	Color
Hex	FF0565
RGB	255, 5, 101
RGB Percent	100%, 2%, 40%
CMY	0.0000, 0.9803, 0.6039
CMYK	0.00, 0.98, 0.60, 0.00
HSL	337°, 100%, 51%
HSV	337°, 98%, 100%
XYZ	43.6449, 22.3081, 14.3209
YIQ	90.6940, 118.1840, 82.8560

Conversions

Conversions Part 2

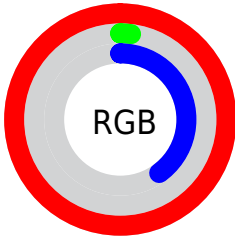
Format	Color
RYB	255, 5, 101
Decimal	16713061
CIELab	54.35, 82.50, 19.59
CIElCh	54, 84.796, 13.355
Yxy	22.3081, 0.5437, 0.2779
Android (android.graphics.Color)	4294903141 (0xFFFF0565)
YUV	90.6940, 5.0809, 144.0964
Hunter-Lab	47.2315, 82.2904, 15.0849

Details

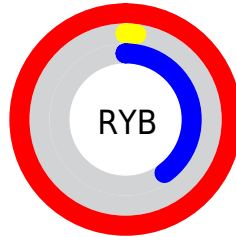
The Yxy color **22.3081, 0.5437, 0.2779** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **74.0558, 0.2613, 0.4599**, and the grayscale version is **10.3597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6087, 0.4397, 0.2791**, and **11.2230, 0.5804, 0.2971** is the 20% darker color. If you saturate the color by 10%, you get **22.1404, 0.5492, 0.2799**, and if you desaturate by 10%, it is **23.4928, 0.5144, 0.2691**.

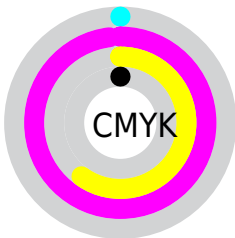
Distribution



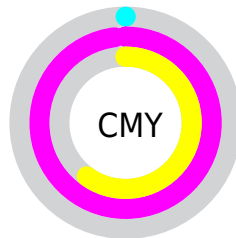
- Red (100%)
- Green (2%)
- Blue (40%)



- Red (100%)
- Yellow (2%)
- Blue (40%)



- Cyan (0%)
- Magenta (98%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (98%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3081, 0.5437, 0.2779 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 22.3081, 0.5437, 0.2779 by changing the saturation by 10% instead.


 22.3081, 0.5437,
0.2779


 22.3081, 0.5437,
0.2779


264.1510, 0.4157,
0.3119


 14.0835, 0.5785,
0.2664


 47.2547, 0.4947,
0.2925


 8.1787, 0.6240,
0.2497


 64.7454, 0.4770,
0.2973

 4.2095, 0.6845,
0.2247

 86.0937, 0.4623,
0.3010

 1.7914, 0.7743,
0.1879

 111.6838, 0.4500,
0.3041

 0.4818, 0.8862,
0.1138

 141.9002, 0.4395,
0.3066

 0.0000, 1.0000,
0.0000

177.1273, 0.4305,

 0.0000, 0.0000,

0.3086

0.0000

217.7494, 0.4226,
0.3104

■ 22.3081, 0.5437,
0.2779

■ 22.3081, 0.5437,
0.2779

■ 22.1404, 0.5492,
0.2799

■ 23.4928, 0.5144,
0.2691

■ 25.7678, 0.4825,
0.2654

■ 29.3646, 0.4504,
0.2668

■ 34.4539, 0.4203,
0.2723

■ 41.1805, 0.3935,
0.2806

■ 49.6719, 0.3703,
0.2904

■ 60.0427, 0.3509,
0.3008

■ 72.3981, 0.3348,
0.3113

■ 86.8351, 0.3216,
0.3214

Harmonies

Analogous

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



22.3081, 0.4019, 0.2075



22.3081, 0.5437, 0.2779



22.3081, 0.5895, 0.3560

Triad

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



22.3081, 0.5437, 0.2779



22.3081, 0.3075, 0.6132



22.3081, 0.1087, 0.1469

Complementary

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



22.3081, 0.5437, 0.2779



74.0558, 0.2613, 0.4599

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.



22.3081, 0.0959, 0.1996



22.3081, 0.5437, 0.2779



22.3081, 0.1932, 0.5182

Square

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



22.3081, 0.5437, 0.2779



22.3081, 0.4291, 0.5516



22.3081, 0.1193, 0.3255



22.3081, 0.1569, 0.1368

Rectangle

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



22.3081, 0.5437, 0.2779



22.3081, 0.5616, 0.4145



22.3081, 0.1193, 0.3255



22.3081, 0.1008, 0.1586

Sweetspot

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



22.3088, 0.5437, 0.2779



58.9537, 0.3526, 0.2998



14.2982, 0.2233, 0.1010



11.6382, 0.3606, 0.2953



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.



22.3088, 0.5437, 0.2779



22.1404, 0.5492, 0.2799



22.2004, 0.6308, 0.3355



18.1025, 0.3234, 0.3199



11.5957, 0.5449, 0.2775



1.1496, 0.5142, 0.2606

Inverse Universe

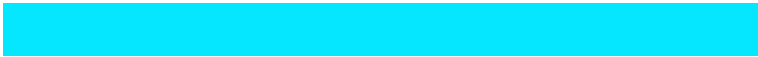
The Inverse Universe completely reimagines the original color for something new.



22.3088, 0.5437, 0.2779



22.1404, 0.5492, 0.2799



63.8470, 0.2161, 0.2973



18.1025, 0.3234, 0.3199



11.5957, 0.5449, 0.2775



1.1496, 0.5142, 0.2606

Previews

White Background



This preview shows how the Yxy color 22.3081, 0.5437, 0.2779 looks on a white background.

Color Contrast Check

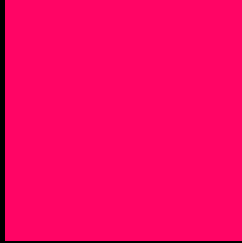
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3081, 0.5437, 0.2779 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 22.3081, 0.5437, 0.2779

Background



This preview shows how black text looks on a background with the Yxy color 22.3081, 0.5437, 0.2779.

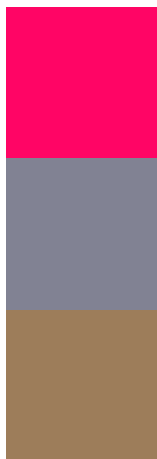


This preview shows how white text looks on a background with the Yxy color 22.3081, 0.5437, 0.2779.

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

22.3081, 0.5437, 0.2779

Protanopia

22.7390, 0.2940, 0.2998

Deuteranopia

22.5735, 0.3948, 0.3861



Tritanopia

22.6085, 0.6102, 0.3312

Trichromacy



Original Color

22.3081, 0.5437, 0.2779



Protanomaly

17.2227, 0.3821, 0.2637



Deuteranomaly

18.0305, 0.4677, 0.3128



Tritanomaly

22.2383, 0.5946, 0.3139

Monochromacy



Original Color

22.3081, 0.5437, 0.2779



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.6373, 0.4206, 0.2721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3081, 0.5437, 0.2779 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, 101)` looks like.

```
.text, #text, p{  
  color:rgb(255, 5, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 5, 101) }
```

Border

The CSS property to change the border of an element to Yxy 22.3081, 0.5437, 0.2779 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, 101) }
```

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

```
.border{ border-color:rgb(255, 5, 101) }
```

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, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 5, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 5, 101);  
box-shadow:4px 4px 4px 4px rgb(255, 5,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3081, 0.5437, 0.2779 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, 101) }
```

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

```
.background{ background-color: rgb(255, 5,  
101) }
```

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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