

Converting Colors

$Y_{xy}(22.3979, 0.5414, 0.2773)$

Have a look what the booklet for
Yxy(22.3979, 0.5414, 0.2773)
contains.

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Color

Yxy(22.3930, 0.5418, 0.2775)

Conversions

Conversions Part 1

Format	Color
Hex	FF0866
RGB	255, 8, 102
RGB Percent	100%, 3%, 40%
CMY	0.0000, 0.9679, 0.6001
CMYK	0.00, 0.97, 0.60, 0.00
HSL	337°, 100%, 52%
HSV	337°, 97%, 100%
XYZ	43.7208, 22.3930, 14.5817
YIQ	92.5690, 117.0380, 81.5980

Conversions

Conversions Part 2

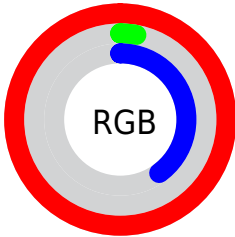
Format	Color
RYB	255, 8, 102
Decimal	16713830
CIELab	54.44, 82.34, 19.13
CIElCh	54, 84.535, 13.077
Yxy	22.3930, 0.5418, 0.2775
Android (android.graphics.Color)	4294903910 (0xFFFF0866)
YUV	92.5690, 4.6495, 142.4520
Hunter-Lab	47.3212, 82.1067, 14.8551

Details

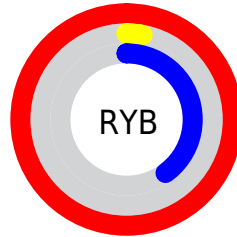
The Yxy color **22.3930, 0.5418, 0.2775** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **74.1455, 0.2606, 0.4567**, and the grayscale version is **10.8361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6743, 0.4370, 0.2770**, and **11.2327, 0.5786, 0.2961** is the 20% darker color. If you saturate the color by 10%, you get **22.1187, 0.5508, 0.2808**, and if you desaturate by 10%, it is **23.6873, 0.5119, 0.2691**.

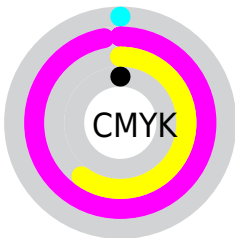
Distribution



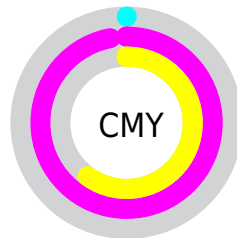
- Red (100%)
- Green (3%)
- Blue (40%)



- Red (100%)
- Yellow (3%)
- Blue (40%)



- Cyan (0%)
- Magenta (97%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (97%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3930, 0.5418, 0.2775 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 22.3930, 0.5418, 0.2775 by changing the saturation by 10% instead.


 22.3930, 0.5418,
0.2775


 22.3930, 0.5418,
0.2775


264.5918, 0.4149,
0.3115


 14.1460, 0.5763,
0.2660


 47.3947, 0.4932,
0.2920


 8.2222, 0.6215,
0.2495

 64.9181, 0.4757,
0.2968


 4.2375, 0.6818,
0.2247

 86.3025, 0.4611,
0.3006

 1.8073, 0.7701,
0.1879

 111.9321, 0.4489,
0.3037

 0.4917, 0.8845,
0.1155

 142.1915, 0.4385,
0.3062

 0.0000, 1.0000,
0.0000

177.4650, 0.4295,

 0.0000, 0.0000,

0.3082

0.0000

218.1369, 0.4218,
0.3100

■ 22.3930, 0.5418,
0.2775

■ 22.3930, 0.5418,
0.2775

■ 22.1187, 0.5508,
0.2808

■ 23.6873, 0.5119,
0.2691

■ 26.1156, 0.4796,
0.2660

■ 29.8894, 0.4475,
0.2680

■ 35.1755, 0.4175,
0.2738

■ 42.1163, 0.3909,
0.2822

■ 50.8374, 0.3681,
0.2921

■ 61.4524, 0.3490,
0.3024

■ 74.0650, 0.3331,
0.3127

■ 88.7718, 0.3201,
0.3226

Harmonies

Analogous

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



22.3930, 0.4001, 0.2073



22.3930, 0.5418, 0.2775



22.3930, 0.5887, 0.3554

Triad

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



22.3930, 0.5418, 0.2775



22.3930, 0.3089, 0.6119



22.3930, 0.1089, 0.1477

Complementary

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



22.3930, 0.5418, 0.2775



74.1455, 0.2606, 0.4567

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.



22.3930, 0.0965, 0.2009



22.3930, 0.5418, 0.2775



22.3930, 0.1947, 0.5188

Square

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



22.3930, 0.5418, 0.2775



22.3930, 0.4301, 0.5501



22.3930, 0.1204, 0.3272



22.3930, 0.1567, 0.1373

Rectangle

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



22.3930, 0.5418, 0.2775



22.3930, 0.5616, 0.4138



22.3930, 0.1204, 0.3272



22.3930, 0.1012, 0.1595

Sweetspot

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



22.3944, 0.5418, 0.2775



58.9390, 0.3529, 0.3001



14.9104, 0.2282, 0.1040



11.6348, 0.3609, 0.2957



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.



22.3944, 0.5418, 0.2775



22.1211, 0.5508, 0.2808



22.5981, 0.6267, 0.3377



18.1013, 0.3234, 0.3200



11.5855, 0.5465, 0.2784



1.1485, 0.5157, 0.2615

Inverse Universe

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



22.3944, 0.5418, 0.2775



22.1211, 0.5508, 0.2808



61.7711, 0.2149, 0.2923



18.1013, 0.3234, 0.3200



11.5855, 0.5465, 0.2784



1.1485, 0.5157, 0.2615

Previews

White Background



This preview shows how the Yxy color 22.3930, 0.5418, 0.2775 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 22.3930, 0.5418, 0.2775 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 22.3930, 0.5418, 0.2775

Background



This preview shows how black text looks on a background with the Yxy color 22.3930, 0.5418, 0.2775.

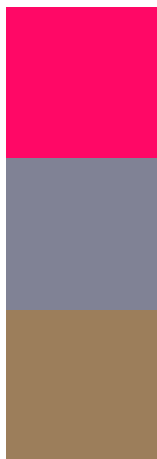


This preview shows how white text looks on a background with the Yxy color 22.3930, 0.5418, 0.2775.

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

22.3930, 0.5418, 0.2775

Protanopia

22.7244, 0.2910, 0.2964

Deuteranopia

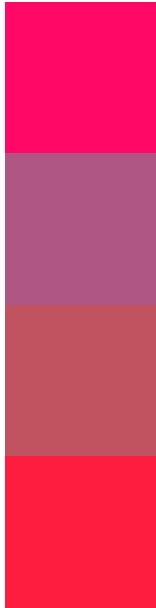
22.7450, 0.3917, 0.3863



Tritanopia

22.6150, 0.6094, 0.3308

Trichromacy



Original Color

22.3930, 0.5418, 0.2775

Protanomaly

17.3202, 0.3773, 0.2619

Deuteranomaly

18.2192, 0.4634, 0.3139

Tritanomaly

22.2974, 0.5931, 0.3135

Monochromacy



Original Color

22.3930, 0.5418, 0.2775

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.9652, 0.4191, 0.2738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3930, 0.5418, 0.2775 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, 8, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 8, 102)  
}
```

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, 8, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 8, 102) }
```

Border

The CSS property to change the border of an element to Yxy 22.3930, 0.5418, 0.2775 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, 8, 102) }
```

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

```
.border{ border-color:rgb(255, 8, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 8, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 8, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 8, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 8,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3930, 0.5418, 0.2775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 8, 102) }
```

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

```
.background{ background-color: rgb(255, 8,  
102) }
```

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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