

Converting Colors

$Y_{xy}(22.6236, 0.5024, 0.2812)$

Have a look what the booklet for
Yxy(22.6236, 0.5024, 0.2812)
contains.

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Color

Yxy(22.5013, 0.5028, 0.2813)

Conversions

Conversions Part 1

Format	Color
Hex	F0386F
RGB	240, 56, 111
RGB Percent	94%, 22%, 44%
CMY	0.0588, 0.7803, 0.5646
CMYK	0.00, 0.77, 0.54, 0.06
HSL	342°, 86%, 58%
HSV	342°, 77%, 94%
XYZ	40.2192, 22.5013, 17.2699
YIQ	117.2860, 92.0090, 56.1130

Conversions

Conversions Part 2

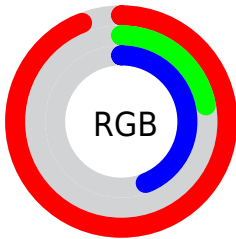
Format	Color
R_{YB}	240, 56, 111
Decimal	15743087
CIE _{Lab}	54.55, 71.26, 13.39
CIE _{LCh}	55, 72.508, 10.638
Yxy	22.5013, 0.5028, 0.2813
Android (android.graphics.Color)	4293933167 (0xFFFF0386F)
YUV	117.2860, -3.0990, 107.6202
Hunter-Lab	47.4355, 68.3326, 11.6191

Details

The Yxy color **22.5013, 0.5028, 0.2813** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **66.6617, 0.2521, 0.4046**, and the grayscale version is **17.8735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0623, 0.4185, 0.2853**, and **9.7173, 0.5524, 0.2817** is the 20% darker color. If you saturate the color by 10%, you get **20.3703, 0.5390, 0.2853**, and if you desaturate by 10%, it is **25.8184, 0.4660, 0.2818**.

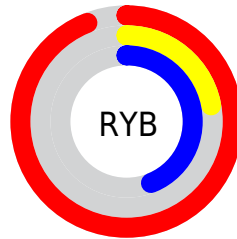
Distribution



Red (94%)

Green (22%)

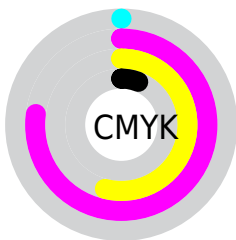
Blue (44%)



Red (94%)

Yellow (22%)

Blue (44%)

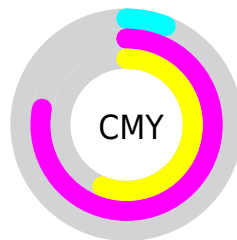


Cyan (0%)

Magenta (77%)

Yellow (54%)

Black (6%)



Cyan (6%)


Magenta (78%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5013, 0.5028, 0.2813 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 22.5013, 0.5028, 0.2813 by changing the saturation by 10% instead.

 22.5013, 0.5028,
0.2813


 22.5013, 0.5028,
0.2813

265.1531, 0.3968,
0.3112


 14.2257, 0.5325,
0.2716


 47.5732, 0.4618,
0.2938

 8.2778, 0.5722,
0.2576


 65.1382, 0.4471,
0.2980

 4.2732, 0.6272,
0.2366

 86.5685, 0.4350,
0.3013

 1.8275, 0.7061,
0.2030

 112.2485, 0.4249,
0.3040

 0.5043, 0.8603,
0.1397

 142.5626, 0.4163,
0.3063

 0.0000, 1.0000,
0.0000

177.8951, 0.4089,

 0.0000, 0.0000,

0.3082

0.0000

218.6305, 0.4025,
0.3098

■ 22.5013, 0.5028,
0.2813

■ 22.5013, 0.5028,
0.2813

■ 20.3703, 0.5390,
0.2853

■ 25.8184, 0.4660,
0.2818

■ 19.2399, 0.5710,
0.2940


■ 30.4621, 0.4315,
0.2859

■ 18.9896, 0.5807,
0.2972


■ 36.5569, 0.4009,
0.2923


■ 44.2121, 0.3748,
0.3000

■ 53.5264, 0.3531,
0.3082

 64.5901, 0.3353,
0.3163

 77.4871, 0.3208,
0.3241

 92.2959, 0.3090,
0.3314

 97.2648, 0.3035,
0.3290

Harmonies

Analogous

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



22.5013, 0.3784, 0.2166



22.5013, 0.5028, 0.2813



22.5013, 0.5561, 0.3553

Triad

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



22.5013, 0.5028, 0.2813



22.5013, 0.3270, 0.5708



22.5013, 0.1259, 0.1696

Complementary

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



22.5013, 0.5028, 0.2813



66.6617, 0.2521, 0.4046

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.



22.5013, 0.1178, 0.2255



22.5013, 0.5028, 0.2813



22.5013, 0.2207, 0.4987

Square

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



22.5013, 0.5028, 0.2813



22.5013, 0.4353, 0.5242



22.5013, 0.1463, 0.3429



22.5013, 0.1684, 0.1557

Rectangle

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



22.5013, 0.5028, 0.2813



22.5013, 0.5416, 0.4090



22.5013, 0.1463, 0.3429



22.5013, 0.1196, 0.1827

Sweetspot

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



22.5026, 0.5028, 0.2813



65.7472, 0.3463, 0.3111



19.4103, 0.2636, 0.1379



13.1390, 0.3532, 0.3082



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.



22.5026, 0.5028, 0.2813



22.5221, 0.5578, 0.2897



26.6057, 0.5487, 0.3601



15.8366, 0.3246, 0.3220



10.4159, 0.5765, 0.2950



0.8834, 0.5392, 0.2744

Inverse Universe

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



22.5026, 0.5028, 0.2813



22.5221, 0.5578, 0.2897



49.9387, 0.2169, 0.2794



15.8366, 0.3246, 0.3220



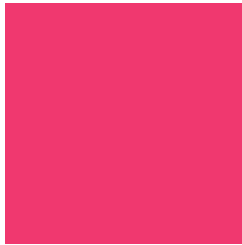
10.4159, 0.5765, 0.2950



0.8834, 0.5392, 0.2744

Previews

White Background



This preview shows how the Yxy color 22.5013, 0.5028, 0.2813 looks on a white background.

Color Contrast Check

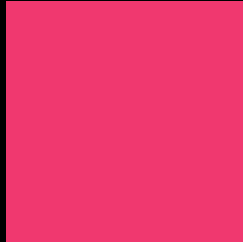
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5013, 0.5028, 0.2813 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 22.5013, 0.5028, 0.2813

Background



This preview shows how black text looks on a background with the Yxy color 22.5013, 0.5028, 0.2813.



This preview shows how white text looks on a background with the Yxy color 22.5013, 0.5028, 0.2813.

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

22.5013, 0.5028, 0.2813

Protanopia

22.7244, 0.2910, 0.2964

Deuteranopia

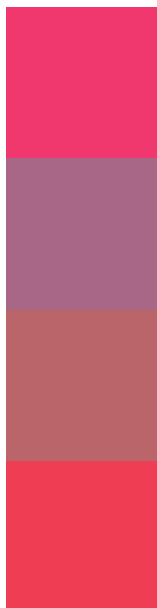
22.6533, 0.3746, 0.3691



Tritanopia

22.5032, 0.5569, 0.3274

Trichromacy



Original Color

22.5013, 0.5028, 0.2813

Protanomaly

19.8848, 0.3610, 0.2805

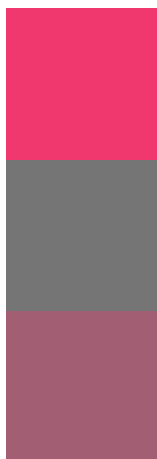
Deuteranomaly

20.6416, 0.4267, 0.3237

Tritanomaly

22.4361, 0.5404, 0.3115

Monochromacy



Original Color

22.5013, 0.5028, 0.2813

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.1036, 0.3838, 0.2972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5013, 0.5028, 0.2813 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(240, 56, 111)` looks like.

```
.text, #text, p{  
    color:rgb(240, 56, 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(240, 56, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 56, 111) }
```

Border

The CSS property to change the border of an element to Yxy 22.5013, 0.5028, 0.2813 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(240, 56, 111) }
```

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

```
.border{ border-color:rgb(240, 56, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 56, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 56, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 56, 111);  
box-shadow:4px 4px 4px 4px rgb(240, 56,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5013, 0.5028, 0.2813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 56, 111) }
```

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

```
.background{ background-color: rgb(240, 56,  
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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