

Converting Colors

$Y_{xy}(22.6236, 0.4658, 0.2580)$

Have a look what the booklet for
Yxy(22.6236, 0.4658, 0.2580)
contains.

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Color

Yxy(22.5755, 0.4667, 0.2583)

Conversions

Conversions Part 1

Format	Color
Hex	EE3784
RGB	238, 55, 132
RGB Percent	93%, 22%, 52%
CMY	0.0667, 0.7842, 0.4824
CMYK	0.00, 0.77, 0.45, 0.07
HSL	335°, 84%, 57%
HSV	335°, 77%, 93%
XYZ	40.7897, 22.5755, 24.0351
YIQ	118.4950, 84.3510, 62.7430

Conversions

Conversions Part 2

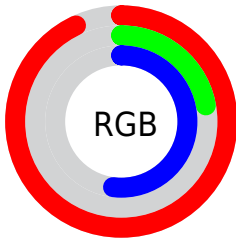
Format	Color
R_{YB}	238, 55, 132
Decimal	15611780
CIE _{Lab}	54.63, 72.69, 0.91
CIE _{LCh}	55, 72.700, 0.716
Yxy	22.5755, 0.4667, 0.2583
Android (android.graphics.Color)	4293801860 (0xFFEE3784)
YUV	118.4950, 6.6580, 104.8059
Hunter-Lab	47.5137, 70.0904, 3.2674

Details

The Yxy color **22.5755, 0.4667, 0.2583** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **64.5338, 0.2620, 0.4382**, and the grayscale version is **18.2423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9564, 0.3909, 0.2621**, and **9.8546, 0.5072, 0.2568** is the 20% darker color. If you saturate the color by 10%, you get **20.4811, 0.4965, 0.2605**, and if you desaturate by 10%, it is **25.8114, 0.4372, 0.2612**.

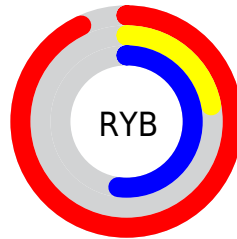
Distribution



Red (93%)

Green (22%)

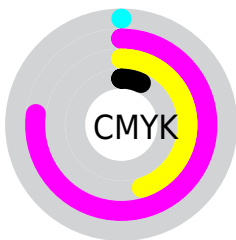
Blue (52%)



Red (93%)

Yellow (22%)

Blue (52%)

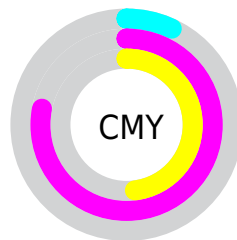


Cyan (0%)

Magenta (77%)

Yellow (45%)

Black (7%)



Cyan (7%)


Magenta (78%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5755, 0.4667, 0.2583 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 22.5755, 0.4667, 0.2583 by changing the saturation by 10% instead.


 22.5755, 0.4667,
0.2583


 22.5755, 0.4667,
0.2583


265.5371, 0.3816,
0.2976


 14.2804, 0.4906,
0.2472


 47.6954, 0.4338,
0.2735

 8.3159, 0.5228,
0.2322

 65.2889, 0.4220,
0.2790


 4.2978, 0.5682,
0.2110

 86.7506, 0.4123,
0.2834

 1.8415, 0.6353,
0.1793

 112.4651, 0.4042,
0.2872

 0.5128, 0.7611,
0.1216

 142.8165, 0.3973,
0.2904

 0.0000, 1.0000,
0.0000

178.1894, 0.3913,

 0.0000, 0.0000,

0.2931

0.0000

218.9682, 0.3861,
0.2955

■ 22.5755, 0.4667,
0.2583

■ 22.5755, 0.4667,
0.2583

■ 20.4811, 0.4965,
0.2605

■ 25.8114, 0.4372,
0.2612

■ 19.3456, 0.5247,
0.2681


■ 30.3249, 0.4098,
0.2680

■ 19.0989, 0.5332,
0.2711


■ 36.2372, 0.3854,
0.2774


■ 43.6539, 0.3644,
0.2882

■ 52.6704, 0.3467,
0.2996

 63.3745, 0.3319,
0.3110

 75.8471, 0.3198,
0.3219

 90.1640, 0.3098,
0.3321

 96.9165, 0.3023,
0.3290

Harmonies

Analogous

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



22.5755, 0.3337, 0.1990



22.5755, 0.4667, 0.2583



22.5755, 0.5493, 0.3300

Triad

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



22.5755, 0.4667, 0.2583



22.5755, 0.3637, 0.5653



22.5755, 0.1194, 0.1824

Complementary

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



22.5755, 0.4667, 0.2583



64.5338, 0.2620, 0.4382

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.



22.5755, 0.1224, 0.2566



22.5755, 0.4667, 0.2583



22.5755, 0.2539, 0.5382

Square

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



22.5755, 0.4667, 0.2583



22.5755, 0.4679, 0.4967



22.5755, 0.1655, 0.3948



22.5755, 0.1500, 0.1564

Rectangle

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



22.5755, 0.4667, 0.2583



22.5755, 0.5536, 0.3817



22.5755, 0.1655, 0.3948



22.5755, 0.1166, 0.2006

Sweetspot

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



22.5768, 0.4667, 0.2583



66.1196, 0.3407, 0.3040



16.2484, 0.2394, 0.1253



13.2279, 0.3464, 0.2998



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.



22.5768, 0.4667, 0.2583



23.1086, 0.5123, 0.2640



22.4931, 0.5717, 0.3387



15.8692, 0.3227, 0.3191



10.6802, 0.5292, 0.2689



0.9079, 0.4954, 0.2502

Inverse Universe

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



22.5768, 0.4667, 0.2583



23.1086, 0.5123, 0.2640



61.2686, 0.2255, 0.3129



15.8692, 0.3227, 0.3191



10.6802, 0.5292, 0.2689



0.9079, 0.4954, 0.2502

Previews

White Background



This preview shows how the Yxy color 22.5755, 0.4667, 0.2583 looks on a white background.

Color Contrast Check

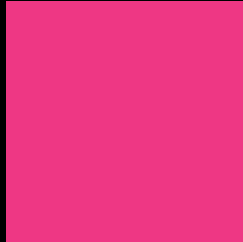
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5755, 0.4667, 0.2583 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 22.5755, 0.4667, 0.2583

Background



This preview shows how black text looks on a background with the Yxy color 22.5755, 0.4667, 0.2583.



This preview shows how white text looks on a background with the Yxy color 22.5755, 0.4667, 0.2583.

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

22.5755, 0.4667, 0.2583

Protanopia

22.9514, 0.2573, 0.2536

Deuteranopia

22.8118, 0.3415, 0.3358



Tritanopia

22.6631, 0.5449, 0.3271

Trichromacy



Original Color

22.5755, 0.4667, 0.2583



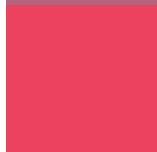
Protanomaly

19.9199, 0.3192, 0.2437



Deuteranomaly

20.5170, 0.3890, 0.2930



Tritanomaly

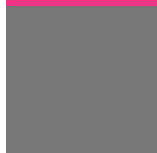
22.4397, 0.5201, 0.3028

Monochromacy



Original Color

22.5755, 0.4667, 0.2583



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.5024, 0.3696, 0.2847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5755, 0.4667, 0.2583 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(238, 55, 132)` looks like.

```
.text, #text, p{  
    color:rgb(238, 55, 132)  
}
```

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(238, 55, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 55, 132) }
```

Border

The CSS property to change the border of an element to Yxy 22.5755, 0.4667, 0.2583 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(238, 55, 132) }
```

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

```
.border{ border-color:rgb(238, 55, 132) }
```

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

Here you see how a box with a 4 pixel rgb(238, 55, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 55, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 55, 132);  
box-shadow:4px 4px 4px 4px rgb(238, 55,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5755, 0.4667, 0.2583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 55, 132) }
```

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

```
.background{ background-color: rgb(238, 55,  
132) }
```

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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