

Converting Colors

$Y_{xy}(25.6800, 0.4256, 0.2509)$

Have a look what the booklet for
Yxy(25.6800, 0.4256, 0.2509)
contains.

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Color

Yxy(25.8180, 0.4255, 0.2511)

Conversions

Conversions Part 1

Format	Color
Hex	EE4D9A
RGB	238, 77, 154
RGB Percent	93%, 30%, 60%
CMY	0.0666, 0.6981, 0.3961
CMYK	0.00, 0.68, 0.35, 0.07
HSL	331°, 83%, 62%
HSV	331°, 68%, 93%
XYZ	43.7497, 25.8180, 33.2519
YIQ	133.9170, 71.2390, 58.0790

Conversions

Conversions Part 2

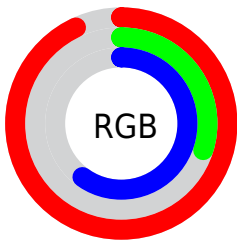
Format	Color
R _Y B	238, 77, 154
Decimal	15617434
CIE Lab	57.86, 67.68, -7.33
CIE LCh	58, 68.072, 353.817
Yxy	25.8180, 0.4255, 0.2511
Android (android.graphics.Color)	4293807514 (0xFFEE4D9A)
YUV	133.9170, 9.9009, 91.2808
Hunter-Lab	50.8114, 64.7724, -3.2324

Details

The Yxy color **25.8180, 0.4255, 0.2511** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **65.3065, 0.2679, 0.4366**, and the grayscale version is **23.7512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4224, 0.3621, 0.2559**, and **10.3264, 0.4609, 0.2313** is the 20% darker color. If you saturate the color by 10%, you get **22.6836, 0.4514, 0.2473**, and if you desaturate by 10%, it is **30.2156, 0.4013, 0.2590**.

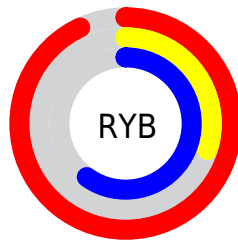
Distribution



Red (93%)

Green (30%)

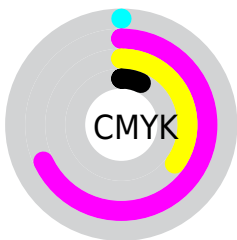
Blue (60%)



Red (93%)

Yellow (30%)

Blue (60%)

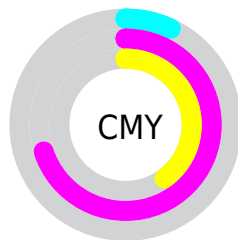


Cyan (0%)

Magenta (68%)

Yellow (35%)

Black (7%)



Cyan (7%)


Magenta (70%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8180, 0.4255, 0.2511 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 25.8180, 0.4255, 0.2511 by changing the saturation by 10% instead.


 25.8180, 0.4255,
0.2511


 25.8180, 0.4255,
0.2511


281.8875, 0.3650,
0.2918


 16.6875, 0.4419,
0.2404


 52.9812, 0.4025,
0.2663

 10.0120, 0.4637,
0.2265


 71.7827, 0.3942,
0.2719

 5.4069, 0.4941,
0.2076


 94.5767, 0.3873,
0.2766

 2.4879, 0.5386,
0.1807

 121.7475, 0.3814,
0.2805

 0.8706, 0.6090,
0.1406

153.6797, 0.3764,
0.2840

 0.0000, 0.8605,
0.0000

190.7574, 0.3721,

 0.0000, 1.0000,

0.2869

0.0000

233.3652, 0.3683,
0.2895

■ 0.0000, 0.0000,
0.0000

■ 25.8180, 0.4255,
0.2511

■ 25.8180, 0.4255,
0.2511

■ 22.6836, 0.4514,
0.2473

■ 30.2156, 0.4013,
0.2590

■ 20.6667, 0.4777,
0.2488

■ 35.9927, 0.3795,
0.2696


■ 19.5791, 0.5029,
0.2556


■ 43.2569, 0.3606,
0.2818


■ 19.3903, 0.5087,
0.2576


■ 52.1040, 0.3446,
0.2947

■ 62.6217, 0.3311,
0.3076

 74.8911, 0.3199,
0.3200

 88.9880, 0.3107,
0.3317

 96.8130, 0.3033,
0.3306

 96.9191, 0.3023,
0.3290

Harmonies

Analogous

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



25.8180, 0.3058, 0.1995



25.8180, 0.4255, 0.2511



25.8180, 0.5158, 0.3175

Triad

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



25.8180, 0.4255, 0.2511



25.8180, 0.3876, 0.5347



25.8180, 0.1313, 0.2071

Complementary

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



25.8180, 0.4255, 0.2511



65.3065, 0.2679, 0.4366

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.



25.8180, 0.1433, 0.2897



25.8180, 0.4255, 0.2511



25.8180, 0.2853, 0.5298

Square

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



25.8180, 0.4255, 0.2511



25.8180, 0.4778, 0.4696



25.8180, 0.1954, 0.4210



25.8180, 0.1529, 0.1725

Rectangle

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



25.8180, 0.4255, 0.2511



25.8180, 0.5347, 0.3658



25.8180, 0.1954, 0.4210



25.8180, 0.1314, 0.2286

Sweetspot

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



25.8194, 0.4255, 0.2511



70.0690, 0.3341, 0.3045



18.9735, 0.2427, 0.1411



14.2410, 0.3379, 0.3009



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.



25.8194, 0.4255, 0.2511



25.5250, 0.4610, 0.2472



24.4051, 0.5367, 0.3320



15.8848, 0.3218, 0.3178



10.8425, 0.5050, 0.2556



0.9220, 0.4744, 0.2387

Inverse Universe

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



25.8194, 0.4255, 0.2511



25.5250, 0.4610, 0.2472



67.3558, 0.2333, 0.3254



15.8848, 0.3218, 0.3178



10.8425, 0.5050, 0.2556



0.9220, 0.4744, 0.2387

Previews

White Background



This preview shows how the Yxy color 25.8180, 0.4255, 0.2511 looks on a white background.

Color Contrast Check

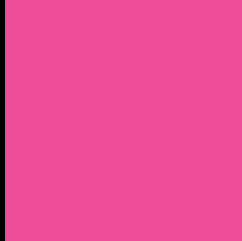
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8180, 0.4255, 0.2511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

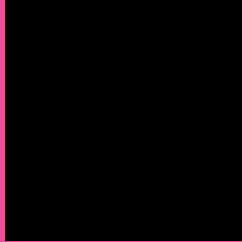
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.8180, 0.4255, 0.2511

Background



This preview shows how black text looks on a background with the Yxy color 25.8180, 0.4255, 0.2511.



This preview shows how white text looks on a background with the Yxy color 25.8180, 0.4255, 0.2511.

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

25.8180, 0.4255, 0.2511

Protanopia

26.2096, 0.2492, 0.2433

Deuteranopia

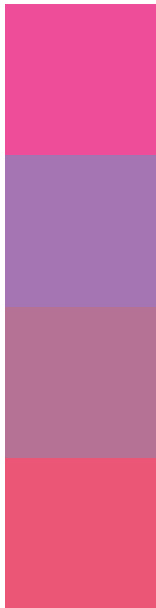
25.8873, 0.3180, 0.3115



Tritanopia

25.8377, 0.4987, 0.3235

Trichromacy



Original Color

25.8180, 0.4255, 0.2511

Protanomaly

23.6380, 0.3000, 0.2388

Deuteranomaly

24.1496, 0.3559, 0.2796

Tritanomaly

25.6258, 0.4728, 0.2965

Monochromacy



Original Color

25.8180, 0.4255, 0.2511

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

22.5040, 0.3540, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8180, 0.4255, 0.2511 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, 77, 154)` looks like.

```
.text, #text, p{  
    color:rgb(238, 77, 154)  
}
```

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, 77, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 77, 154) }
```

Border

The CSS property to change the border of an element to Yxy 25.8180, 0.4255, 0.2511 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, 77, 154) }
```

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

```
.border{ border-color:rgb(238, 77, 154) }
```

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

Here you see how a box with a 4 pixel rgb(238, 77, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 77, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 77, 154);  
box-shadow:4px 4px 4px 4px rgb(238, 77,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8180, 0.4255, 0.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 77, 154) }
```

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

```
.background{ background-color: rgb(238, 77,  
154) }
```

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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